



schools online curriculum content initiative

SCHOOLS ONLINE THESAURUS

Quality assurance summary report for version 5.3

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Introduction

Purpose

This report outlines changes to the Schools Online Thesaurus.

Changes arise from a major revision of the “Science” reference structure. Changes to the Astronomy, Biology, Earth sciences and Research methodologies taxonomies are detailed and represent supplementary changes to the whole Science branch (Changes to the Chemistry and Physics branches were proposed in 6.1a). Together these batches result in version 5.3 of ScOT.

Audience

ScOT Consultative Group (ScOTCG) and other interested parties.

Background

In 2005 a report from *Libraries Alive!* recommended revisions to ScOT and supporting documentation¹. Some issues raised have been addressed in the last twelve months, including:

- reduction of top terms to 9,
- curriculum coverage in the top three levels, and
- reduction of compound terms.

However ‘uneven hierarchies’, illustrated throughout section 5.3 of that report, have remained in some areas. The Science hierarchy (or taxonomy) remained tangled in its structure and comparatively deep in its levels - up to eleven levels existed in version 5.2.

In September 2006, curriculum experts within Curriculum Corporation commenced a revision of the Science area with the following goals in mind:

- enforce a shallower hierarchy
- improve all term reference structures,
- manage redundancy between existing descriptors, and
- add new terms relevant to the Science curriculum

Revised and new terms arising out of this work are informed by curriculum experts and also the recent MCEETYA “Statements of Learning” project which addresses national consistency in curriculum², including Science curriculum.

Special mention is given to experts in Science curriculum working with and within Curriculum Corporation. Rod Barker, Steve Sunter and Les Kneebone (Curriculum Corporation) have worked tirelessly editing ScOT to satisfy requirements presented by *Libraries Alive*, ScOT Specifications and MCEETYA. Graham Coghill is a subject matter

¹ http://www.curriculum.edu.au/scis/resources/report_scot_toplevels.pdf

² <http://www.mceetya.edu.au/mceetya/default.asp?id=11893>

expert involved in various curriculum projects and has provided a final expert review of draft changes amounting to version 5.3.

Issues arising from 6.1a

Feedback from ScOTCG on proposed changes to the Chemistry and Physics branches is summarised in this section. Some issues arising have immediate relevance to further changes proposed in this report (5.3).

Three issues arising are discussed in this report:

- High level terminology for preferred terms,
- Specificity of low level terms, and
- Lateral integration with other branches

High level terminology

High level terms modified in this release are Chemistry, Physics, Biology, Astronomy and Earth sciences. These terms have been retained as non-preferred terms, with preferred terms added to broadly describe the objects or processes related to the discipline indicated by the former terms. The 'new' preferred terms have been widely used for 15 years, often as 'strand' names in curriculum frameworks.

Removal of terms such as “Chemistry”, “Physics” and “Biochemistry” as preferred terms has been questioned by a number of respondents for the following reasons:

- Alternative terms used in curriculum (eg. Matter, Force) may not be recognised in some knowledge organisation systems;
- “Forces and energy” which substitutes for Physics could theoretically be split into separate terms Energy and Force;
- “Biochemistry” cannot be represented by previous Narrower Terms and should not be removed on the basis of it being a ‘multi-faceted concept’;
- Withdrawal of “Biochemistry” while retaining “Biochemists” is inconsistent; and
- “Chemistry” and “Physics” should at least be retained³ as non-preferred terms to mitigate against likely continued use of these terms as search terms.

Feedback on the exchange of ‘discipline’ terms with ‘process’ or ‘object’ terms was limited to higher level terms. No concern was expressed over exchanging “Photonics” with “Photons” or “Particle physics” with “Elementary particles”.

The suitability of “Biochemistry” at high school curriculum level is doubtful but various biochemical processes, materials and things are relevant to topics in the life and physical sciences. ScOTMG prefers to remove the term “Biochemistry” but also advises to consider this decision in light of forthcoming proposed changes that will include changes to Biology/Life. “Biochemists” should also be considered in light of a full Science draft revision.

³ It was also not clear, due to an omission in the initial report, whether Chemistry and Physics were proposed to be retained as non-preferred terms. Terms are proposed as non-preferred terms rather than for deletion.

Specificity

Some terms are singled out for being too specific for retrieval of suitable clusters of resources; examples include (with respective NT level shown):

- Absorption spectroscopy; Emission spectroscopy (NT6)
- Moonrises; Moonsets (NT7)
- Liquid aerosols; Liquid foams; Solid aerosols (NT6)

ScOTMG agrees that some terms flagged in this way are too specific and would not be used to describe educational resources. However, as they are all ‘leaf’ terms at the end of branches that do not support narrower terms, they do not pose a significant risk to the reference structure as a whole and their removal does not sufficiently enhance ScOT.

Lateral integration

Feedback suggests that modification of terms is done without suitable consideration to the broader structure of ScOT.

Problems arising from ‘modular builds’ have been noted by ScOTCG before. Feedback for this round of changes is more concrete in comparison by raising the issue of BT allocation. Broader Terms are allocated to terms from within the Science taxonomy but not from without. No examples of ‘missing Broader Terms’ have been offered in feedback. However changes to term relationships can be recommended at any time by any stakeholders and shall be flagged for approval by ScOTCG.

ScOT quality assurance specifications suggest best practice for managing poly-hierarchies. Section 4.8.5.1.4 recommends careful application of multiple BTs:

When concepts belong, on logical grounds, to more than one category they are said to have a poly-hierarchical relationship (*Standard*, 5.3.4).

It is likely in a whole of knowledge thesaurus that some concepts will have more than one logical parent term. However, structural economy is lost when terms have more parents than needed. Giving consideration to simple reference structures, a term *may* have two Generic relationship parent terms or one Generic relationship and one Whole-part relationship.

The current ScOT draft has about 10% of preferred terms with two Broader Terms and, after considerable editing work, now has no terms with more than two Broader Terms. ScOTMG does not support concerted effort for assignment of additional Broader Term relationships but does welcome feedback on a case by case basis on suitable poly-hierarchies is welcome.

Further, many opportunities exist to create associative relationships between branches, or Related Term relationships. Examples are given here to illustrate the type of lateral integration that can be achieved by creation of suitable Related Terms:

Absorption (Waves)
RT Soundproofing

Carbon monoxide
RT Air pollution

Combustion
RT Internal combustion engines

Lenses
RT Cameras

Top level structure

Science

NT **Earth and space** UF ("Earth sciences"; "Astronomy")
 Forces and energy UF ("Physics")
 Life UF ("Biology")
 Matter UF ("Chemistry")
 Scientific methodology UF ("Research")

Statistics

Preferred and non-preferred terms

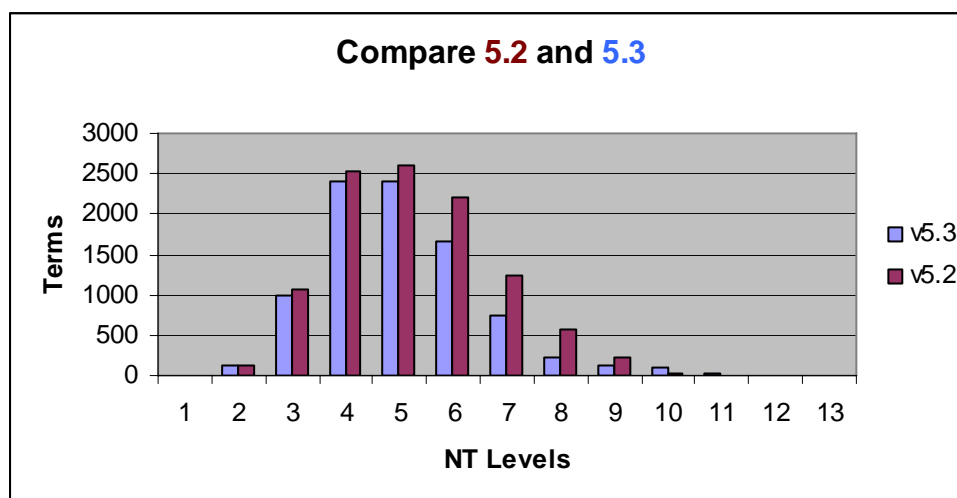
	5.2	5.3
Total terms	9136	9438
Preferred	7131	7095
Non-preferred	2005	2343
%Percent non-preferred	22%	25%

Hierarchy levels

A common question facing thesaurus developers is “how many levels”. Targets for hierarchy depth can be arbitrarily assigned (eg “5 to 7”), inevitably followed by fudges, exceptions and excuses when the resulting hierarchy exceeds (or falls short of) the rule.

Another approach managing to depth (and therefore specificity) is to manage and report on the percentage of terms at each level. Details of how many levels a thesaurus ‘drills down’ should be presented within the context of where most indexing terms are located.

Figure 1 shows changes between version 5.2 and 5.3 with regard to term levels. There are 9 Top Terms in both versions. The graph shows little change at the second level or for levels 3, 4 or 5.



At level 6 and 7 there are substantial differences. A small decrease in overall preferred terms partly accounts for a reduction in terms at all levels.

About 86% of terms fall within the top 6 levels in version 5.3, compared with about 80% in 5.2. The main reason for the reduction at 6 and 7 is the break-up of poly-hierarchies and consolidation of similar reference structures. When a term is assigned two Broader Terms, all descendent terms will appear twice in hierarchy reports and more often if further ascendant terms have multiple Broader Terms.

Details of the new hierarchies and also changes to individual term relationships are given below in the Appendix.

Appendix

Life

Top two levels

Life

- NT1: Animal behaviour
 - NT2: Animal communication
 - NT2: Animal feeding
 - NT2: Diurnalism
 - NT2: Hibernation
 - NT2: Nocturnalism
 - NT2: Parental behaviour
 - NT2: Reproductive behaviour
 - NT2: Resting
 - NT2: Sheltering behaviour
 - NT2: Social behaviour (Animals)
 - NT2: Territorial behaviour
 - NT2: Threat displays
- NT1: Cells
 - NT2: Cell differentiation
 - NT2: Cell function
 - NT2: Cell structure
 - NT2: Chromosomes
 - NT2: Morphogenesis
 - NT2: Organelles
- NT1: Ecosystems
 - NT2: Biodiversity
 - NT2: Biogeochemical cycles
 - NT2: Bioindicators
 - NT2: Biomes
 - NT2: Ecological niches
 - NT2: Ecological succession
 - NT2: Food webs
 - NT2: Habitats
 - NT2: Indigenous species
 - NT2: Land degradation
 - NT2: Populations (Ecology)
 - NT2: Symbiosis
- NT1: Evolution
 - NT2: Adaptation (Evolution)
 - NT2: Extinction
 - NT2: Natural selection
 - NT2: Speciation
- NT1: Genes
 - NT2: Genetic variation
- NT1: Living things
 - NT2: Archaea
 - NT2: Bacteria

- NT2: Eukaryotes
- NT2: Extraterrestrial life
- NT2: Origin of life
- NT1: Structure and function (Animals)
- NT2: Animal reproduction
- NT2: Biological rhythms
- NT2: Body fluids
- NT2: Body parts
- NT2: Body regions
- NT2: Circulatory system
- NT2: Digestion
- NT2: Endocrine system
- NT2: Excretion
- NT2: Exocrine glands
- NT2: Growth (Animals)
- NT2: Hormones (Animals)
- NT2: Immune system
- NT2: Integumentary system
- NT2: Metabolism (Animals)
- NT2: Movement (Animals)
- NT2: Muscles
- NT2: Nervous system
- NT2: Organs (Anatomy)
- NT2: Physical characteristics
- NT2: Respiratory system
- NT2: Senses
- NT2: Skeleton
- NT1: Structure and function (Plants)
- NT2: Allelopathy
- NT2: Bulbs
- NT2: Fire tolerance (Plants)
- NT2: Flowering
- NT2: Leaves
- NT2: Plant growth
- NT2: Plant metabolism
- NT2: Plant nutrition
- NT2: Plant reproduction
- NT2: Plant sap
- NT2: Plant water relationship
- NT2: Roots (Plants)
- NT2: Stems (Plants)
- NT2: Vascular tissues (Plants)

Full hierarchy

Life

- NT1: Animal behaviour
- NT2: Animal communication
 - NT3: Animal sounds
 - NT4: Bird calls
 - NT4: Trilling
 - NT3: Pheromones

- NT2: Animal feeding
 - NT3: Carnivores
 - NT3: Deposit feeding
 - NT3: Filter feeding
 - NT3: Fluid feeding
 - NT3: Foraging
 - NT3: Grazing
 - NT3: Herbivores
 - NT3: Ingestion
 - NT3: Insectivores
 - NT3: Omnivores
 - NT3: Predation
 - NT4: Birds of prey
 - NT4: Cannibalism
 - NT4: Hunting
 - NT5: Fishing
 - NT5: Stalking
 - NT4: Predator distraction
 - NT4: Spider webs
 - NT3: Scavenging
- NT2: Diurnalism
- NT2: Hibernation
- NT2: Nocturnalism
- NT2: Parental behaviour
 - NT3: Maternal behaviour
 - NT3: Paternal behaviour
- NT2: Reproductive behaviour
- NT2: Resting
 - NT3: Sleeping
 - NT4: Dreams
- NT2: Sheltering behaviour
 - NT3: Arboreals
 - NT3: Burrows
 - NT3: Nests
 - NT3: Warrens
- NT2: Social behaviour (Animals)
 - NT3: Herds
 - NT3: Packs
- NT2: Territorial behaviour
- NT2: Threat displays
- NT1: Cells
 - NT2: Cell differentiation
 - NT3: Functional cells
 - NT3: Meristematic cells
 - NT3: Progenitor cells
 - NT3: Stem cells
 - NT2: Cell function
 - NT3: Cell division
 - NT4: Binary fission
 - NT5: Meiosis
 - NT5: Mitosis
 - NT3: Cell metabolism
 - NT3: Protein synthesis
 - NT2: Cell structure
 - NT2: Chromosomes

- NT2: Morphogenesis
- NT2: Organelles
 - NT3: Cell nuclei
 - NT3: Endoplasmic reticulum
 - NT3: Golgi apparatus
 - NT3: Lysosomes
 - NT3: Mitochondria
 - NT3: Plastids
 - NT3: Ribosomes
 - NT3: Vacuoles
- NT1: Ecosystems
- NT2: Biodiversity
- NT2: Biogeochemical cycles
 - NT3: Carbon cycle
 - NT3: Nitrogen cycle
 - NT3: Nutrient cycles
 - NT4: Organic matter
 - NT5: Biodegradation
 - NT5: Compost
 - NT5: Humus
 - NT5: Mulch
 - NT3: Phosphorous cycle
 - NT3: Sulfur cycle
 - NT3: Water cycle
- NT2: Bioindicators
- NT2: Biomes
- NT2: Ecological niches
- NT2: Ecological succession
- NT2: Food webs
 - NT3: Food chains
 - NT4: Bioaccumulation
 - NT4: Consumers (Food chains)
 - NT5: Primary consumers
 - NT5: Secondary consumers
 - NT4: Decomposition (Living things)
 - NT4: Energy flow (Ecosystems)
 - NT4: Producers (Food chains)
- NT2: Habitats
 - NT3: Habitat loss
 - NT3: Marine habitats
 - NT4: Marine plants
 - NT4: Plankton
 - NT5: Phytoplankton
 - NT3: Microhabitats
- NT2: Indigenous species
- NT2: Land degradation
 - NT3: Desertification
 - NT3: Soil compaction
 - NT3: Soil degradation
- NT2: Populations (Ecology)
 - NT3: Animal migration
 - NT3: Competition (Ecology)
 - NT3: Conservation status
 - NT4: Threatened species
 - NT5: Endangered species

- NT5: Extinct species
- NT4: Biological control
- NT4: Pests
- NT3: Range (Ecology)
- NT4: Introduced species
- NT2: Symbiosis
- NT3: Commensalism
- NT3: Mutualism
- NT3: Parasitism
- NT4: Ectoparasitism
- NT4: Endoparasitism
- NT1: Evolution
- NT2: Adaptation (Evolution)
- NT3: Camouflage
- NT3: Evolutionary convergence
- NT3: Mimicry
- NT3: Plant defences
- NT2: Extinction
- NT2: Natural selection
- NT3: Artificial selection
- NT4: Domestication
- NT5: Feral animals
- NT5: Livestock
- NT6: Cattle
- NT6: Poultry
- NT6: Working animals
- NT5: Pets
- NT3: Group selection
- NT3: Kin selection
- NT2: Speciation
- NT1: Genes
- NT2: Genetic variation
- NT3: Genetic drift
- NT3: Genomes
- NT3: Mutation
- NT2: Heredity
- NT3: Genetic linkage
- NT3: Genotype
- NT4: Genetic dominance
- NT5: Recessive genes
- NT1: Living things
- NT2: Archaea
- NT2: Bacteria
- NT3: Cyanobacteria
- NT2: Eukaryotes
- NT3: Animals
- NT4: Chordates
- NT5: Lancelets
- NT5: Tunicates
- NT5: Vertebrates
- NT6: Amphibians
- NT7: Axolotls
- NT7: Frogs
- NT8: Goliath frogs

- NT8: Grey tree frogs
- NT8: Tree frogs
- NT9: Brown tree frogs
- NT9: Dainty green tree frogs
- NT9: Emerald spotted tree frogs
- NT9: Green tree frogs
- NT9: Red tree frogs
- NT7: Newts
- NT7: Salamanders
- NT7: Toads
- NT8: Cane toads
- NT6: Birds
- NT7: Budgerigars
- NT7: Chickens
- NT7: Cuckoos
- NT7: Ducks
- NT7: Eagles
- NT7: Flightless birds
- NT8: Dodos
- NT8: Emus
- NT8: Kiwi
- NT8: Moa
- NT8: Ostriches
- NT8: Penguins
- NT8: Rheas
- NT7: Kookaburras
- NT7: Owls
- NT7: Parrots
- NT8: Cockatiels
- NT8: Cockatoos
- NT8: Kakapo
- NT8: Lorikeets
- NT8: Parakeets
- NT8: Rosellas
- NT7: Passerines
- NT8: Bower birds
- NT8: Canaries
- NT8: Finches
- NT8: Magpies
- NT8: Sparrows
- NT8: Wrens
- NT7: Pelicans
- NT7: Swans
- NT7: Tawny frogmouths
- NT6: Fishes
- NT7: Bony fishes
- NT8: Barramundi
- NT8: Carp
- NT8: Eels
- NT8: Salmon
- NT8: Trout
- NT8: Tuna
- NT7: Cartilaginous fishes
- NT8: Rays
- NT8: Sharks

- NT9: White pointer sharks
- NT6: Mammals
 - NT7: Marsupials
 - NT8: Bandicoots
 - NT9: Bilbies
 - NT8: Kangaroos
 - NT9: Red kangaroos
 - NT9: Tree kangaroos
 - NT8: Koalas
 - NT8: Marsupial moles
 - NT8: Possums
 - NT9: Brushtail possums
 - NT8: Quokkas
 - NT8: Wallabies
 - NT8: Wombats
 - NT7: Monotremes
 - NT8: Echidnas
 - NT8: Platypuses
 - NT7: Placentals
 - NT8: Bats
 - NT9: Pipistrelles
 - NT9: Vampire bats
 - NT8: Bears
 - NT9: Grizzly bears
 - NT8: Camels
 - NT8: Canines
 - NT9: Dingoes
 - NT9: Dogs
 - NT9: Foxes
 - NT9: Wolves
 - NT8: Dolphins
 - NT8: Elephants
 - NT8: Felines
 - NT9: Cats
 - NT9: Lions
 - NT9: Tigers
 - NT8: Hippopotamuses
 - NT8: Horses
 - NT8: Llamas
 - NT8: Pigs
 - NT8: Primates
 - NT9: Chimpanzees
 - NT9: Humans
 - NT10: Race
 - NT11: Moieties
 - NT8: Rabbits
 - NT8: Ruminants
 - NT9: Buffaloes
 - NT9: Cattle
 - NT9: Deer
 - NT9: Sheep
 - NT10: Mutton sheep
 - NT10: Sheep breeds
 - NT11: Australasian Merinos
 - NT11: Mountain sheep

- NT11: Spanish Merinos
- NT10: Wool sheep
- NT8: Seals
- NT8: Walruses
- NT8: Whales
- NT9: Killer whales
- NT8: Zebras
- NT7: Rodents
- NT8: Guinea pigs
- NT8: Mice
- NT8: Rats
- NT6: Reptiles
- NT7: Crocodiles
- NT7: Dinosaurs
- NT7: Lizards
- NT8: Blue tongued lizards
- NT8: Frill necked lizards
- NT7: Snakes
- NT8: Cobras
- NT8: Pythons
- NT7: Tuatara
- NT7: Turtles
- NT8: Tortoises
- NT4: Invertebrates
- NT5: Arthropods
- NT6: Arachnids
- NT7: Mites
- NT7: Scorpions
- NT7: Spiders
- NT8: Funnel web spiders
- NT8: Huntsman spiders
- NT8: Katipos
- NT8: Orb weavers
- NT8: Wolf spiders
- NT7: Ticks
- NT6: Centipedes
- NT6: Crustaceans
- NT7: Crabs
- NT8: Fiddler crabs
- NT7: Krill
- NT7: Prawns
- NT7: Shrimps
- NT8: Shield shrimps
- NT7: Slaters
- NT7: Yabbies
- NT6: Insects
- NT7: Bristletails
- NT8: Silverfish
- NT7: Cockroaches
- NT7: Coleoptera
- NT8: Beetles
- NT9: Diving beetles
- NT9: Dung beetles
- NT9: Ladybirds
- NT9: Longicorn beetles

NT9: Scarabs
 NT7: Diptera
 NT8: Flies (Insects)
 NT9: Blowflies
 NT8: Mosquitoes
 NT7: Fleas
 NT7: Hemiptera
 NT8: Aphids
 NT8: Cicadas
 NT8: Harlequin bugs
 NT8: Water boatmen (Insects)
 NT7: Hymenoptera
 NT8: Ants
 NT9: Bull ants
 NT8: Bees
 NT8: Sawflies
 NT8: Wasps
 NT9: European wasps
 NT9: Hornets
 NT9: Spider wasps
 NT7: Lepidoptera
 NT8: Butterflies
 NT8: Moths
 NT7: Odonata
 NT8: Damselflies
 NT8: Dragonflies
 NT7: Orthoptera
 NT8: Crickets (Insects)
 NT8: Grasshoppers
 NT8: Praying mantises
 NT8: Stick insects
 NT8: Weta
 NT7: Termites
 NT7: White ants
 NT6: Millipedes
 NT6: Springtails
 NT5: Cnidaria
 NT6: Corals
 NT6: Jellyfish
 NT5: Echinoderms
 NT6: Brittle stars
 NT6: Sea cucumbers
 NT6: Sea stars
 NT6: Sea urchins
 NT5: Flatworms
 NT5: Molluscs
 NT6: Octopuses
 NT6: Oysters
 NT6: Slugs
 NT6: Snails
 NT6: Squids
 NT5: Roundworms
 NT5: Segmented worms
 NT6: Earthworms
 NT6: Leeches

- NT5: Sponges
- NT3: Fungi
- NT4: Moulds (Fungi)
- NT4: Mushrooms
- NT4: Yeasts
- NT3: Plants
- NT4: Conifers
- NT5: Pine trees
- NT4: Ferns
- NT4: Flowering plants
- NT5: Dicots
- NT6: Gum trees
- NT6: Mangroves
- NT6: Pitcher plants
- NT6: Succulent plants
- NT7: Cacti
- NT6: Wattles
- NT5: Monocots
- NT6: Bromeliads
- NT6: Grasses
- NT6: Lilies
- NT6: Orchids
- NT4: Mosses
- NT3: Protists
- NT4: Algae
- NT5: Seaweed
- NT4: Protozoans
- NT4: Slime moulds
- NT2: Extraterrestrial life
- NT2: Origin of life
- NT1: Structure and function (Animals)
- NT2: Animal reproduction
- NT3: Asexual reproduction
- NT4: Binary fission
- NT5: Meiosis
- NT5: Mitosis
- NT4: Budding
- NT4: Fragmentation
- NT4: Parthenogenesis
- NT4: Regeneration
- NT3: Avian incubation
- NT3: Birth
- NT4: Hatching
- NT4: Multiple births
- NT5: Twins
- NT3: Birth control
- NT3: Breeding
- NT4: Back crossing
- NT4: Breeding cycles
- NT4: Crossbreeding
- NT4: Hybridisation
- NT4: Inbreeding
- NT4: Line breeding
- NT3: Conception
- NT3: Copulation

- NT3: Diapause
- NT3: Eggs
 - NT4: Egg cases
- NT3: Fertilisation
- NT3: Fertility
 - NT4: Infertility
- NT3: Hermaphroditism
- NT3: Menstruation
- NT3: Pregnancy
- NT3: Sexual reproduction
 - NT4: Gametes
- NT3: Spawning
- NT2: Biological rhythms
 - NT3: Circadian rhythms
- NT2: Body fluids
- NT2: Body parts
 - NT3: Armour (Body parts)
 - NT3: Arms
 - NT3: Beaks
 - NT3: Feet (Body)
 - NT4: Ankles
 - NT4: Heels
 - NT4: Soles
 - NT4: Toes
 - NT3: Fins
 - NT3: Hands
 - NT4: Fingers
 - NT3: Legs
 - NT3: Proboscises
 - NT3: Stinger
 - NT3: Swim bladder
 - NT3: Tail
 - NT3: Wings (Birds)
- NT2: Body regions
 - NT3: Abdomen
 - NT3: Back
 - NT3: Head
 - NT4: Face (Anatomy)
 - NT5: Cheeks
 - NT5: Chin
 - NT5: Mouth
 - NT6: Fangs
 - NT6: Teeth
 - NT6: Tongue
 - NT4: Horns
 - NT3: Legs
 - NT3: Neck
 - NT4: Throat
 - NT3: Thorax
 - NT3: Torso
- NT2: Circulatory system
 - NT3: Blood
 - NT3: Blood pressure
 - NT3: Blood vessels
 - NT4: Arteries

- NT5: Pulse
- NT4: Capillaries
- NT4: Veins
- NT2: Digestion
- NT3: Oesophagus
- NT3: Rumination (Digestion)
- NT2: Endocrine system
- NT2: Excretion
- NT2: Exocrine glands
- NT3: Saliva
- NT3: Tear glands
- NT4: Tears
- NT2: Growth (Animals)
- NT3: Age
- NT4: Maturity
- NT3: Baby animals
- NT4: Fledglings
- NT3: Embryos
- NT3: Metamorphosis
- NT4: Cocoons
- NT4: Larvae
- NT5: Caterpillars
- NT5: Tadpoles
- NT4: Nymphs
- NT4: Pupae
- NT3: Neoteny
- NT2: Hormones (Animals)
- NT3: Growth hormone
- NT3: Pheromones
- NT3: Steroid hormones
- NT4: Androgens
- NT5: Anabolic steroids
- NT5: Androstenedione
- NT5: Dehydroepiandrosterone
- NT5: Dihydrotestosterone
- NT5: Testosterone
- NT4: Oestrogens
- NT5: Diethylbestrol
- NT5: Oestradiol
- NT2: Immune system
- NT2: Integumentary system
- NT3: Fur
- NT3: Hair
- NT3: Nails
- NT3: Plumage
- NT4: Feathers
- NT3: Skin
- NT4: Dermis
- NT4: Epidermis
- NT4: Sebaceous glands
- NT4: Sweat glands
- NT5: Sweat
- NT2: Metabolism (Animals)
- NT3: Body temperature
- NT4: Acclimatisation

- NT4: Cold blooded animals
- NT4: Shivering
- NT4: Sweating
- NT4: Warm blooded animals
- NT3: Homeostasis
- NT3: Toxins
- NT4: Venom
- NT2: Movement (Animals)
- NT3: Animal tracks
- NT4: Acoustic tracks
- NT3: Hopping
- NT3: Nonlocomotor movement
- NT3: Posture (Body position)
- NT3: Running
- NT3: Swimming
- NT3: Walking
- NT2: Muscles
- NT3: Ciliary muscles
- NT3: Diaphragm
- NT3: Heart
- NT3: Tongue
- NT2: Nervous system
- NT3: Central nervous system
- NT4: Brain
- NT4: Spinal cord
- NT3: Nerves
- NT3: Receptors
- NT4: Photoreceptors
- NT3: Reflexes
- NT3: Stimulation
- NT4: Stress (Nerves)
- NT2: Organs (Anatomy)
- NT3: Digestive organs
- NT4: Intestines
- NT5: Large intestine
- NT5: Small intestine
- NT4: Liver
- NT4: Pancreas
- NT5: Pancreatic juices
- NT4: Stomach
- NT3: Excretory organs
- NT4: Bladder
- NT4: Kidneys
- NT3: Pineal gland
- NT3: Reproductive organs
- NT4: Gonads
- NT5: Ovaries
- NT5: Testes
- NT4: Oviduct
- NT4: Ovipositor
- NT4: Penis
- NT4: Prostate gland
- NT4: Sperm duct
- NT4: Uterus
- NT4: Vagina

- NT3: Respiratory organs
 - NT4: Lungs
 - NT4: Nose
- NT3: Sense organs
 - NT4: Antennae
 - NT4: Ears
 - NT4: Eyes
 - NT5: Aqueous humour
 - NT5: Choroids
 - NT5: Compound eyes
 - NT6: Ommatidia
 - NT5: Cornea
 - NT5: Crystalline lenses
 - NT5: Eyelids
 - NT5: Eyespots
 - NT5: Irises
 - NT5: Optic nerves
 - NT5: Pupils
 - NT5: Retina
 - NT6: Cones (Eyes)
 - NT6: Fovea
 - NT6: Macula
 - NT6: Rods
 - NT5: Sclera
 - NT5: Single lens eyes
 - NT5: Vitreous humour
 - NT4: Nose
- NT2: Physical characteristics
 - NT3: Gender
 - NT4: Females
 - NT4: Males
- NT2: Respiratory system
 - NT3: Gills
 - NT3: Respiration
- NT2: Senses
 - NT3: Echolocation
 - NT3: Echolocation (Animals)
 - NT3: Electroception
 - NT3: Hearing
 - NT3: Magnetoception
 - NT3: Sensory deprivation
 - NT3: Smell
 - NT3: Taste
 - NT3: Touch
 - NT3: Vision
 - NT4: Binocular vision
 - NT4: Colour vision
 - NT4: Monocular vision
 - NT4: Night vision
 - NT4: Peripheral vision
 - NT4: Visual acuity
- NT2: Skeleton
 - NT3: Bones
 - NT4: Femurs
 - NT4: Fibulas

- NT4: Jaws
- NT4: Patellas
- NT4: Ribs
- NT4: Skull
- NT4: Spine
- NT4: Tibias
- NT3: Exoskeleton
- NT3: Joints
- NT4: Ankles
- NT4: Elbows
- NT4: Hips
- NT4: Knees
- NT4: Knuckles
- NT4: Ligaments
- NT4: Shoulders
- NT4: Wrists
- NT1: Structure and function (Plants)
- NT2: Allelopathy
- NT2: Bulbs
- NT2: Fire tolerance (Plants)
- NT2: Flowering
- NT2: Leaves
- NT3: Abscission
 - NT4: Deciduous plants
 - NT4: Evergreen plants
- NT3: Divarication
- NT3: Stomata
- NT3: Venation
- NT2: Plant growth
- NT3: Seedlings
- NT3: Shrubs
- NT3: Trees
- NT2: Plant metabolism
- NT3: Chemosynthesis
- NT3: Photosynthesis
- NT3: Plant hormones
 - NT4: Absciscic acid
 - NT4: Auxins
 - NT4: Cytokinins
 - NT4: Gibberellins
- NT2: Plant nutrition
- NT3: Carnivorous plants
 - NT4: Pitcher plants
- NT2: Plant reproduction
- NT3: Flowers
 - NT4: Buds
- NT3: Fruits
- NT3: Nectar
- NT3: Pollen
- NT3: Pollination
- NT3: Seeds
 - NT4: Germination
- NT3: Spores
 - NT4: Germination
- NT2: Plant sap

NT3: Resins
NT4: Turpentine
NT2: Plant water relationship
NT3: Transpiration
NT2: Roots (Plants)
NT2: Stems (Plants)
NT2: Vascular tissues (Plants)
NT3: Phloem
NT3: Xylem
NT4: Wood
NT1: Viruses

Earth and space

Top two levels

Earth and space

NT1: Atmosphere

NT2: Atmospheric energy

NT2: Atmospheric structure

NT1: Earth structure

NT2: Core

NT2: Earth's crust

NT2: Mantle

NT2: Tectonic plates

NT1: Geographic location

NT2: Continents

NT2: Elevation

NT2: Latitude

NT2: Longitude

NT2: Navigation

NT1: Universe

NT2: Asteroids

NT2: Celestial observation

NT2: Comets

NT2: Galaxies

NT2: Meteors

NT2: Moons

NT2: Planetary systems

NT2: Planets

NT2: Quasars

NT2: Space (Universe)

NT2: Stars (Universe)

NT2: Universe formation

NT1: Weather

NT2: Air masses

NT2: Climate

NT2: Clouds

NT2: Droughts

NT2: Floods

NT2: Humidity

NT2: Lightning

NT2: Precipitation (Meteorology)

NT2: Seasons

NT2: Winds

Full hierarchy

Earth and space

- NT1: Atmosphere
 - NT2: Atmospheric energy
 - NT3: Atmospheric circulation
 - NT3: Atmospheric light
 - NT4: Auroras
 - NT4: Rainbows
 - NT4: Sky
 - NT3: Greenhouse effect
 - NT2: Atmospheric structure
 - NT3: Air density
 - NT3: Ionosphere
 - NT3: Stratosphere
 - NT4: Ozone layer
 - NT3: Troposphere
- NT1: Earth structure
 - NT2: Core
 - NT3: Inner core
 - NT3: Outer core
 - NT2: Earth's crust
 - NT3: Landforms
 - NT4: Caves
 - NT4: Cliffs
 - NT4: Coasts
 - NT5: Beaches
 - NT5: Harbours
 - NT5: Lagoons
 - NT5: Peninsulas
 - NT5: Rock pools
 - NT5: Sand dunes
 - NT5: Seashore
 - NT4: Deserts
 - NT4: Glaciers
 - NT4: Groundwater
 - NT5: Wells
 - NT4: Hills
 - NT4: Icecaps
 - NT4: Islands
 - NT5: Atolls
 - NT4: Lakes
 - NT4: Mountains
 - NT5: Volcanoes
 - NT6: Cinder cones
 - NT6: Composite volcanoes
 - NT6: Craters
 - NT6: Fumaroles
 - NT6: Shield volcanoes
 - NT6: Volcanic plugs
 - NT4: Plains

- NT5: Floodplains
- NT5: Plateaus
- NT4: Ponds
- NT4: Reefs
 - NT5: Coral reefs
- NT4: Ridges
 - NT5: Escarpments
- NT4: Rivers
 - NT5: Billabongs
 - NT5: Estuaries
 - NT5: Meanders
 - NT5: River currents
 - NT5: River deltas
 - NT5: Streams
- NT4: Tundras
- NT4: Valleys
 - NT5: Saddles
- NT4: Waterfalls
- NT4: Weathering
 - NT5: Erosion
- NT4: Wetlands
 - NT5: Mangrove swamps
 - NT5: Swamps
- NT3: Oceans
 - NT4: Ocean currents
 - NT5: El Nino Southern Oscillation
 - NT6: El Nino
 - NT6: La Nina
 - NT4: Sea level
 - NT4: Tides
 - NT5: Daily tides
 - NT5: Neap tides
 - NT5: Spring tides
 - NT4: Waves (Ocean)
 - NT5: Longshore drift
 - NT5: Tsunamis
- NT3: Rocks
 - NT4: Igneous rocks
 - NT5: Plutonic rocks
 - NT6: Granite
 - NT5: Volcanic rocks
 - NT6: Basalt
 - NT4: Magma
 - NT4: Metamorphic rocks
 - NT5: Marble
 - NT5: Slate
 - NT4: Sedimentary rocks
 - NT5: Banded iron formations
 - NT5: Breccias
 - NT5: Carbonate rocks
 - NT5: Conglomerate (Rocks)
 - NT5: Dolomite
 - NT5: Limestone
 - NT5: Sandstone
 - NT5: Shales

- NT3: Soil
 - NT4: Soil composition
 - NT4: Soil fertility
 - NT4: Soil formation
 - NT5: Clay translocation
 - NT5: Laterites
 - NT5: Leaching (Soil)
 - NT5: Podsolisation
 - NT4: Soil horizons
 - NT5: Subsoil
 - NT5: Topsoil
 - NT4: Soil types
 - NT5: Clay
 - NT5: Sand
 - NT5: Silt
- NT3: Vegetation
 - NT4: Forests
 - NT5: Forest canopies
 - NT5: Old growth forests
 - NT5: Rainforests
 - NT5: Sclerophyll forests
 - NT6: Dry sclerophyll forests
 - NT6: Wet sclerophyll forests
 - NT5: Taiga
 - NT6: Coniferous forests
 - NT5: Temperate forests
 - NT4: Grasslands
 - NT5: Savannas
- NT2: Mantle
 - NT3: Asthenosphere
 - NT3: Earth movements
 - NT4: Earthquakes
 - NT4: Glaciation
 - NT4: Landslides
 - NT5: Avalanches
 - NT5: Mudflows
 - NT4: Sedimentation
 - NT5: Mud
 - NT4: Seismic waves
- NT2: Tectonic plates
 - NT3: Continental crust
 - NT3: Continental shelf
 - NT3: Epicentres
 - NT3: Faults
 - NT4: Graben
 - NT4: Horsts
 - NT4: Rifts
 - NT3: Folds
 - NT4: Antisynclines
 - NT4: Synclines
 - NT3: Mountain building
 - NT3: Oceanic plates
 - NT3: Plate movement
 - NT4: Continental drift
 - NT4: Hotspots

- NT3: Sea floor spreading
- NT1: Geographic location
 - NT2: Continents
 - NT3: Africa
 - NT3: Antarctica
 - NT3: Asia
 - NT3: Australia
 - NT3: Europe
 - NT3: North America
 - NT3: South America
 - NT3: Supercontinents
 - NT4: Gondwana
 - NT4: Laurasia
 - NT4: Pangaea
 - NT2: Elevation
 - NT3: Altitude
 - NT2: Latitude
 - NT3: Hemispheres
 - NT4: Northern Hemisphere
 - NT4: Southern Hemisphere
 - NT3: Parallels (Latitude)
 - NT4: Antarctic Circle
 - NT4: Arctic Circle
 - NT4: Equator
 - NT4: Tropic of Cancer
 - NT4: Tropic of Capricorn
 - NT3: Polar regions
 - NT4: Arctic regions
 - NT4: North Pole
 - NT4: South Pole
 - NT3: Temperate regions
 - NT3: Tropical regions
 - NT2: Longitude
 - NT3: Meridians
 - NT3: Time zones
 - NT4: Daylight saving
 - NT4: Greenwich Mean Time
 - NT2: Navigation
 - NT3: Bearings (Direction)
 - NT4: East
 - NT4: North
 - NT4: South
 - NT4: West
 - NT3: Navigation equipment
 - NT4: Compass
 - NT4: GPS
 - NT4: Maps
 - NT5: Astronomical maps
 - NT6: Lunar maps
 - NT5: Atlases
 - NT5: Choropleth maps
 - NT5: Coastal charts
 - NT5: Contour maps
 - NT5: Dot symbol maps
 - NT5: Isopleth maps

- NT5: Marine charts
- NT5: Physical maps
- NT5: Political maps
- NT5: Relief maps
- NT5: Road maps
- NT5: Thematic maps
- NT5: Topographic maps
- NT5: Weather maps
- NT6: Synoptic charts
- NT3: Orientation
- NT3: Sonar
- NT1: Universe
- NT2: Asteroids
- NT2: Celestial observation
- NT3: Celestial spheres
- NT4: Celestial poles
- NT4: Constellations
- NT5: Zodiac
- NT3: Lunar cycles
- NT3: Space exploration
- NT4: Mars exploration
- NT4: Moon exploration
- NT4: Space probes
- NT4: Space stations
- NT2: Comets
- NT2: Galaxies
- NT3: Milky Way
- NT2: Meteors
- NT2: Moons
- NT3: Moon
- NT4: Far side
- NT2: Planetary systems
- NT3: Solar System
- NT2: Planets
- NT3: Dwarf planets
- NT4: Eris
- NT4: Pluto
- NT3: Earth
- NT3: Exoplanets
- NT3: Jupiter
- NT3: Mars
- NT3: Mercury (Planet)
- NT3: Neptune
- NT3: Saturn
- NT3: Uranus
- NT3: Venus
- NT2: Quasars
- NT2: Space (Universe)
- NT2: Stars (Universe)
- NT3: Black holes
- NT3: Dwarf stars
- NT4: Supernovas
- NT3: Nebulae
- NT3: Pulsars
- NT3: Red giants

- NT3: Sun
- NT4: Solar flares
- NT4: Solar radiation
- NT4: Solar wind
- NT4: Sunlight
- NT4: Sunspots
- NT2: Universe formation
- NT3: Big Bang Theory
- NT3: Creation
- NT3: Steady state theory
- NT3: Stellar evolution
- NT1: Weather
- NT2: Air masses
- NT3: Atmospheric pressure
- NT4: High pressure systems
- NT4: Low pressure systems
- NT5: Tropical cyclones
 - NT6: Eye of the cyclone
 - NT6: Eyewall
- NT3: Fronts
- NT4: Cold fronts
- NT4: Warm fronts
- NT3: Orographic lift
- NT4: Ridge lift
- NT3: Storms
- NT4: Blizzards
- NT4: Dust storms
- NT4: Sandstorms
- NT4: Storm surges
- NT4: Tornadoes
- NT4: Tropical cyclones
 - NT5: Eye of the cyclone
 - NT5: Eyewall
- NT3: Thermals
- NT2: Climate
- NT3: Climate change
 - NT4: Global warming
 - NT4: Ice ages
- NT3: Microclimates
- NT2: Clouds
- NT3: Altocumulus clouds
- NT3: Cirrocumulus clouds
- NT3: Cirrus clouds
- NT3: Cumulonimbus clouds
- NT3: Cumulus clouds
- NT3: Nimbostratus clouds
- NT3: Stratocumulus clouds
- NT3: Stratus clouds
- NT2: Droughts
- NT2: Floods
- NT2: Humidity
- NT2: Lightning
- NT2: Precipitation (Meteorology)
 - NT3: Dew
 - NT3: Fog

- NT3: Hail
- NT3: Rain
- NT3: Sleet
- NT3: Snow
- NT2: Seasons
- NT3: Autumn
- NT3: Spring
- NT3: Summer
- NT3: Winter
- NT2: Winds
- NT3: Jet streams
- NT3: Local winds
- NT3: Monsoons
- NT3: Squalls
- NT3: Trade winds
- NT4: Inter Tropical Convergence Zone
- NT3: Wind direction
- NT3: Wind shear

Forces and energy

Top two levels

Forces and energy

- NT1: Energy conversion
 - NT2: Conservation of energy
 - NT2: Energy storage
- NT1: Energy resources
 - NT2: Geothermal energy
 - NT2: Hydroelectricity
 - NT2: Nuclear energy
 - NT2: Power stations
 - NT2: Renewable energy
 - NT2: Solar energy
 - NT2: Tidal energy
- NT1: Fundamental forces
 - NT2: Electromagnetism
 - NT2: Gravity
 - NT2: Strong force
 - NT2: Weak force
- NT1: Heat
 - NT2: Heat flow
 - NT2: Thermal expansion
- NT1: Mechanical energy
 - NT2: Friction
 - NT2: Kinetic energy
 - NT2: Mass
 - NT2: Motion
 - NT2: Potential energy
 - NT2: Vibration
 - NT2: Work (Forces)
- NT1: Molecular forces

- NT2: Adhesion
- NT2: Cohesion (Forces)
- NT1: Waves (Energy)
 - NT2: Absorption (Waves)
 - NT2: Amplitude
 - NT2: Diffraction
 - NT2: Frequency (Waves)
 - NT2: Intensity
 - NT2: Interference (Waves)
 - NT2: Reflection
 - NT2: Refraction
 - NT2: Scattering
 - NT2: Waveforms
 - NT2: Wavelength

Full hierarchy

Forces and energy

- NT1: Energy conversion
 - NT2: Conservation of energy
 - NT3: Energy efficiency
 - NT2: Energy storage
 - NT3: Batteries
 - NT4: Electrolytic cells
 - NT5: Anodes
 - NT5: Cathodes
 - NT5: Electrolytes
 - NT4: Galvanic cells
 - NT4: Solar cells
 - NT3: Capacitors
- NT1: Energy resources
 - NT2: Geothermal energy
 - NT2: Hydroelectricity
 - NT2: Nuclear energy
 - NT3: Nuclear fission
 - NT3: Nuclear fusion
 - NT2: Power stations
 - NT2: Renewable energy
 - NT3: Biodiesel
 - NT3: Biomass
 - NT4: Biogas
 - NT3: Synthetic oil
 - NT3: Wind power
 - NT4: Sails
 - NT2: Solar energy
 - NT2: Tidal energy
- NT1: Fundamental forces
 - NT2: Electromagnetism
 - NT3: Electricity
 - NT4: Electric charge
 - NT4: Electric conductors
 - NT5: Earth wires

- NT5: Electric wires
- NT5: Telegraph lines
- NT4: Electric currents
- NT5: Alternating current
- NT5: Direct current
- NT5: Electric resistance
- NT5: Voltage
- NT4: Piezoelectricity
- NT4: Power supply
- NT5: Energy use
- NT5: Power failures
- NT5: Power lines
- NT4: Static electricity
- NT3: Electromagnetic radiation
- NT4: Cosmic rays
- NT4: Gamma rays
- NT4: Infrared radiation
- NT4: Light
- NT5: Colour (Light)
- NT5: Images (Optics)
- NT6: Magnification
- NT5: Incandescence
- NT5: Luminescence
- NT6: Phosphorescence
- NT6: Photoluminescence
- NT7: Bioluminescence
- NT8: Photophores
- NT7: Fluorescence
- NT5: Pigments
- NT6: Chlorophyll
- NT6: Xanthophylls
- NT5: Polarisation
- NT6: Dichroism
- NT5: Shadows
- NT4: Microwaves
- NT5: Masers
- NT4: Radio waves
- NT4: Spectroscopy
- NT5: Absorption spectroscopy
- NT5: Emission spectroscopy
- NT5: Flame tests
- NT4: Ultraviolet rays
- NT5: UVA
- NT5: UVB
- NT5: UVC
- NT4: X-rays
- NT3: Magnetism
- NT4: Magnetic fields
- NT2: Gravity
- NT3: Centre of gravity
- NT2: Strong force
- NT2: Weak force
- NT1: Heat
- NT2: Heat flow
- NT3: Convection

- NT4: Convection currents
- NT3: Cooling
 - NT4: Coolants
- NT3: Heat absorption
- NT3: Heat conduction
- NT3: Thermal insulation
- NT2: Thermal expansion
- NT1: Mechanical energy
 - NT2: Friction
 - NT3: Fluid friction
 - NT3: Lubrication
 - NT3: Static friction
 - NT2: Kinetic energy
 - NT3: Diffusion
 - NT4: Osmosis
 - NT3: Pressure
 - NT4: Air pressure
 - NT4: Vacuums
 - NT2: Mass
 - NT2: Motion
 - NT3: Acceleration
 - NT3: Displacement
 - NT3: Fluid flow
 - NT4: Drag
 - NT4: Flight
 - NT4: Gas flow
 - NT4: Lift (Aerodynamic)
 - NT5: Angle of attack
 - NT4: Liquid flow
 - NT3: Frames of reference
 - NT4: General relativity
 - NT5: Time travel
 - NT4: Special relativity
 - NT3: Inertia
 - NT3: Momentum
 - NT4: Angular momentum
 - NT4: Linear momentum
 - NT3: Reciprocal actions
 - NT4: Thrust
 - NT3: Rotational motion
 - NT4: Orbits
 - NT5: Axial tilt
 - NT6: Equinoxes
 - NT5: Earth rotation
 - NT6: Coriolis effect
 - NT6: Sunrises
 - NT6: Sunsets
 - NT5: Lunar orbits
 - NT6: Moon phases
 - NT7: Crescent moon
 - NT7: First quarter moon
 - NT7: Full moon
 - NT7: Last quarter moon
 - NT7: New moon
 - NT6: Moonrises

- NT6: Moonsets
- NT5: Planetary conjunctions
- NT6: Eclipses
 - NT7: Lunar eclipses
 - NT7: Solar eclipses
- NT4: Torque
- NT3: Speed
 - NT4: Airspeed
 - NT4: Wind speed
- NT3: Stability
- NT3: Trajectory
- NT2: Potential energy
 - NT3: Chemical energy
 - NT4: Fuel
 - NT3: Elastic energy
 - NT3: Gravitational potential
- NT2: Vibration
 - NT3: Sound
 - NT4: Pitch (Sound)
 - NT4: Sonic booms
 - NT4: Tone (Sound)
 - NT4: Ultrasound
 - NT4: Volume (Sound)
- NT2: Work (Forces)
 - NT3: Power (Forces)
- NT1: Molecular forces
 - NT2: Adhesion
 - NT3: Capillarity
 - NT2: Cohesion (Forces)
 - NT3: Surface tension
 - NT3: Viscosity
- NT1: Waves (Energy)
 - NT2: Absorption (Waves)
 - NT2: Amplitude
 - NT2: Diffraction
 - NT2: Frequency (Waves)
 - NT3: Doppler effect
 - NT2: Intensity
 - NT2: Interference (Waves)
 - NT3: Coherence
 - NT2: Reflection
 - NT3: Echo
 - NT4: Reverberation
 - NT3: Reflectivity
 - NT3: Total internal reflection
 - NT2: Refraction
 - NT3: Birefringence
 - NT2: Scattering
 - NT2: Waveforms
 - NT2: Wavelength

Matter

Matter

NT1: Atoms
NT2: Atomic mass
NT2: Atomic nucleus
NT2: Atomic number
NT2: Atomic theory
NT2: Elementary particles
NT2: Isotopes
NT2: Radioactivity
NT1: Chemical analysis
NT2: Indicator chemicals
NT2: Mass analysis
NT2: Molecular structure
NT2: Separation (Mixtures)
NT2: Thermal analysis
NT2: Titration
NT1: Chemical compounds
NT2: Acids
NT2: Bases (Alkalis)
NT2: Inorganic compounds
NT2: Organic compounds
NT1: Chemical elements
NT2: Actinium
NT2: Aluminium
NT2: Americium
NT2: Antimony
NT2: Argon
NT2: Arsenic
NT2: Astatine
NT2: Barium
NT2: Berkelium
NT2: Beryllium
NT2: Bismuth
NT2: Bohrium
NT2: Boron
NT2: Bromine
NT2: Cadmium
NT2: Caesium
NT2: Calcium
NT2: Californium
NT2: Carbon
NT2: Cerium
NT2: Chlorine
NT2: Chromium
NT2: Cobalt
NT2: Copper
NT2: Curium
NT2: Darmstadtium
NT2: Dubnium
NT2: Dysprosium
NT2: Einsteinium
NT2: Erbium
NT2: Europium
NT2: Fermium
NT2: Fluorine

NT2: Francium
NT2: Gadolinium
NT2: Gallium
NT2: Germanium
NT2: Gold
NT2: Hafnium
NT2: Hassium
NT2: Helium
NT2: Holmium
NT2: Hydrogen
NT2: Indium
NT2: Iodine
NT2: Iridium
NT2: Iron
NT2: Krypton
NT2: Lanthanum
NT2: Lawrencium
NT2: Lead
NT2: Lithium
NT2: Lutetium
NT2: Magnesium
NT2: Manganese
NT2: Meitnerium
NT2: Mendelevium
NT2: Mercury (Metals)
NT2: Molybdenum
NT2: Neodymium
NT2: Neon
NT2: Neptunium
NT2: Nickel
NT2: Niobium
NT2: Nitrogen
NT2: Nobelium
NT2: Osmium
NT2: Oxygen
NT2: Palladium
NT2: Periodic table
NT2: Phosphorus
NT2: Platinum
NT2: Plutonium
NT2: Polonium
NT2: Potassium
NT2: Praseodymium
NT2: Promethium
NT2: Protactinium
NT2: Radium
NT2: Radon
NT2: Rhenium
NT2: Rhodium
NT2: Roentgenium
NT2: Rubidium
NT2: Ruthenium
NT2: Rutherfordium
NT2: Samarium
NT2: Scandium

NT2: Seaborgium
NT2: Selenium
NT2: Silicon
NT2: Silver
NT2: Sodium
NT2: Strontium
NT2: Sulfur
NT2: Tantalum
NT2: Technetium
NT2: Tellurium
NT2: Terbium
NT2: Thallium
NT2: Thorium
NT2: Thulium
NT2: Tin
NT2: Titanium
NT2: Tungsten
NT2: Ununbium
NT2: Ununhexium
NT2: Ununoctium
NT2: Ununquadium
NT2: Uranium
NT2: Vanadium
NT2: Xenon
NT2: Ytterbium
NT2: Yttrium
NT2: Zinc
NT2: Zirconium
NT1: Chemical reactions
NT2: Acidification
NT2: Bonding (Chemistry)
NT2: Calcification
NT2: Chemical equations
NT2: Decomposition (Compounds)
NT2: Endothermic reactions
NT2: Exothermic reactions
NT2: Fermentation
NT2: Hydrolysis
NT2: Neutralisation
NT2: Photochemical reactions
NT2: Polymerisation
NT2: Reaction rates
NT2: Redox reactions
NT1: Properties of matter
NT2: Boiling point
NT2: Conductivity
NT2: Density
NT2: Durability
NT2: Elasticity (Deformation)
NT2: Electronegativity
NT2: Flash point
NT2: Hardness
NT2: Mass
NT2: Molecular weight
NT2: pH

- NT2: Phase transformations
- NT2: Solubility
- NT2: Strength
- NT2: Temperature
- NT2: Transparency
- NT1: States of matter
 - NT2: BECs
 - NT2: Gases
 - NT2: Liquids
 - NT2: Mixtures
 - NT2: Plasmas
 - NT2: Solids (Matter)

Full hierarchy

Matter

- NT1: Atoms
 - NT2: Atomic mass
 - NT2: Atomic nucleus
 - NT2: Atomic number
 - NT2: Atomic theory
 - NT2: Elementary particles
 - NT3: Bosons
 - NT3: Electrons
 - NT3: Gluons
 - NT3: Hadrons
 - NT3: Leptons
 - NT3: Neutrinos
 - NT3: Neutrons
 - NT3: Photons
 - NT3: Protons
 - NT3: Quarks
 - NT2: Isotopes
 - NT3: Radioactive isotopes
 - NT2: Radioactivity
 - NT3: Radioactive decay
 - NT4: Alpha emission
 - NT4: Beta emission
 - NT4: Electron capture
 - NT4: Gamma rays
 - NT4: Positron emission
 - NT3: Radiometric dating
 - NT4: Potassium-argon dating
 - NT4: Radiocarbon dating
- NT1: Chemical analysis
 - NT2: Indicator chemicals
 - NT3: pH indicators
 - NT4: Litmus
 - NT2: Mass analysis
 - NT3: Gravimetric analysis
 - NT3: Mass spectrometry
 - NT2: Molecular structure
 - NT3: Allotropy
 - NT3: Chemical formulas

- NT3: Chirality
- NT3: Isomerism
- NT3: Molecular models
- NT2: Separation (Mixtures)
 - NT3: Adsorption
 - NT4: Sieving (Adsorption)
 - NT3: Centrifuging
 - NT3: Chromatography
 - NT3: Crystallisation
 - NT3: Decanting
 - NT3: Distillation
 - NT3: Electrophoresis
 - NT3: Filtration
 - NT4: Dialysis
 - NT4: Sieving (Filtration)
 - NT3: Flocculation
 - NT3: Flotation (Separation)
 - NT3: Fractional freezing
 - NT3: Leaching (Mixtures)
 - NT3: Magnetic separation
 - NT3: Precipitation (Chemistry)
- NT2: Thermal analysis
 - NT3: Calorimetry
 - NT3: Thermogravimetric analysis
- NT2: Titration
- NT1: Chemical compounds
 - NT2: Acids
 - NT3: Absciscic acid
 - NT3: Ascorbic acid
 - NT3: Aspartic acid
 - NT3: Boric acids
 - NT3: Carbonic acid
 - NT3: Carboxylic acids
 - NT4: Acetic acid
 - NT4: Fatty acids
 - NT4: Proteins
 - NT5: Amino acids
 - NT5: Enzymes
 - NT5: Peptides
 - NT3: Chromic acid
 - NT3: Citric acid
 - NT3: Cyanuric acid
 - NT3: Hydrochloric acid
 - NT3: Nitric acid
 - NT3: Phosphoric acid
 - NT3: Sulfonic acid
 - NT3: Sulfuric acid
 - NT3: Uric acid
- NT2: Bases (Alkalis)
 - NT3: Ammonia
 - NT3: Calcium hydroxides
 - NT3: Lithium hydroxide
 - NT3: Potassium hydroxide
 - NT3: Sodium hydroxides
- NT2: Inorganic compounds

- NT3: Air
- NT3: Carbon oxides
 - NT4: Carbon dioxide
 - NT4: Carbon monoxide
 - NT4: Nitrous oxide
- NT3: Carbonates
 - NT4: Calcium carbonate
- NT3: Inorganic hydrides
 - NT4: Water
 - NT5: Frost
 - NT5: Ice
 - NT5: Salinity
 - NT6: Desalination
 - NT5: Soil water
 - NT5: Steam
 - NT5: Water vapour
- NT3: Nitrogen oxides
- NT3: Salts
 - NT4: Salt
- NT3: Sulfur oxides
- NT2: Organic compounds
 - NT3: Alcohols
 - NT4: Butanol
 - NT4: Ethanol
 - NT5: Methylated spirits
 - NT4: Methanol
 - NT4: Phenols
 - NT4: Propanol
 - NT3: Aldehydes
 - NT3: Amides
 - NT4: Urea
 - NT3: Amines
 - NT3: Dyes
 - NT4: Litmus
 - NT3: Esters
 - NT3: Haloalkanes
 - NT4: Chlorofluorocarbons
 - NT4: Hydrochlorofluorocarbons
 - NT4: Hydrofluorocarbons
 - NT3: Hydrocarbons
 - NT4: Aliphatic hydrocarbons
 - NT5: Alkanes
 - NT6: Butane
 - NT6: Ethane
 - NT6: Methane
 - NT6: Paraffins
 - NT6: Propane
 - NT4: Aromatic hydrocarbons
 - NT5: Benzene
 - NT5: Benzoic acid
 - NT5: Paracetamol
 - NT5: Phenols
 - NT5: Toluene
 - NT5: Trinitrotoluene
 - NT3: Ketones

NT3: Surfactants
NT4: Detergents
NT4: Emulsifiers
NT4: Soaps
NT1: Chemical elements
NT2: Actinium
NT2: Aluminium
NT2: Americium
NT2: Antimony
NT2: Argon
NT2: Arsenic
NT2: Astatine
NT2: Barium
NT2: Berkelium
NT2: Beryllium
NT2: Bismuth
NT2: Bohrium
NT2: Boron
NT2: Bromine
NT2: Cadmium
NT2: Caesium
NT2: Calcium
NT2: Californium
NT2: Carbon
NT3: Diamonds (Gemstones)
NT3: Fullerenes
NT3: Graphite
NT2: Cerium
NT2: Chlorine
NT2: Chromium
NT2: Cobalt
NT2: Copper
NT2: Curium
NT2: Darmstadtium
NT2: Dubnium
NT2: Dysprosium
NT2: Einsteinium
NT2: Erbium
NT2: Europium
NT2: Fermium
NT2: Fluorine
NT2: Francium
NT2: Gadolinium
NT2: Gallium
NT2: Germanium
NT2: Gold
NT2: Hafnium
NT2: Hassium
NT2: Helium
NT2: Holmium
NT2: Hydrogen
NT3: Deuterium
NT3: Tritium
NT2: Indium
NT2: Iodine

NT2: Iridium
NT2: Iron
NT2: Krypton
NT2: Lanthanum
NT2: Lawrencium
NT2: Lead
NT2: Lithium
NT2: Lutetium
NT2: Magnesium
NT2: Manganese
NT2: Meitnerium
NT2: Mendelevium
NT2: Mercury (Metals)
NT2: Molybdenum
NT2: Neodymium
NT2: Neon
NT2: Neptunium
NT2: Nickel
NT2: Niobium
NT2: Nitrogen
NT2: Nobelium
NT2: Osmium
NT2: Oxygen
NT3: Ozone
NT2: Palladium
NT2: Periodic table
NT3: Actinides
NT3: Lanthanides
NT3: Main group elements
NT3: Noble gases
NT3: Transition elements
NT2: Phosphorus
NT2: Platinum
NT2: Plutonium
NT2: Polonium
NT2: Potassium
NT2: Praseodymium
NT2: Promethium
NT2: Protactinium
NT2: Radium
NT2: Radon
NT2: Rhenium
NT2: Rhodium
NT2: Roentgenium
NT2: Rubidium
NT2: Ruthenium
NT2: Rutherfordium
NT2: Samarium
NT2: Scandium
NT2: Seaborgium
NT2: Selenium
NT2: Silicon
NT2: Silver
NT2: Sodium
NT2: Strontium

- NT2: Sulfur
- NT2: Tantalum
- NT2: Technetium
- NT2: Tellurium
- NT2: Terbium
- NT2: Thallium
- NT2: Thorium
- NT2: Thulium
- NT2: Tin
- NT2: Titanium
- NT2: Tungsten
- NT2: Ununbium
- NT2: Ununhexium
- NT2: Ununoctium
- NT2: Ununquadium
- NT2: Uranium
- NT2: Vanadium
- NT2: Xenon
- NT2: Ytterbium
- NT2: Yttrium
- NT2: Zinc
- NT2: Zirconium
- NT1: Chemical reactions
 - NT2: Acidification
 - NT2: Bonding (Chemistry)
 - NT3: Covalent bonding
 - NT3: Dipoles
 - NT3: Hydrogen bonding
 - NT3: Ionic bonding
 - NT4: Ions
 - NT5: Anions
 - NT5: Cations
 - NT3: Molecules
 - NT2: Calcification
 - NT2: Chemical equations
 - NT3: Chemical symbols
 - NT3: Stoichiometry
 - NT2: Decomposition (Compounds)
 - NT2: Endothermic reactions
 - NT2: Exothermic reactions
 - NT2: Fermentation
 - NT2: Hydrolysis
 - NT2: Neutralisation
 - NT2: Photochemical reactions
 - NT3: Photolysis
 - NT3: Photosynthesis
 - NT2: Polymerisation
 - NT3: Nucleic acids
 - NT4: DNA
 - NT4: RNA
 - NT3: Plastics
 - NT4: Thermosetting plastics
 - NT3: Rubber
 - NT2: Reaction rates
 - NT3: Catalysis

- NT3: Equilibrium
- NT3: Reactivity
- NT2: Redox reactions
- NT3: Combustion
 - NT4: Ignition
- NT3: Corrosion
- NT3: Electrolysis
 - NT4: Electrodes
- NT1: Properties of matter
- NT2: Boiling point
- NT2: Conductivity
 - NT3: Semiconductivity
 - NT3: Superconductivity
- NT2: Density
 - NT3: Buoyancy
- NT2: Durability
- NT2: Elasticity (Deformation)
- NT2: Electronegativity
- NT2: Flash point
- NT2: Hardness
- NT2: Mass
- NT2: Molecular weight
- NT2: pH
- NT2: Phase transformations
 - NT3: Boiling
 - NT4: Evaporation
 - NT3: Condensation
 - NT3: Deposition (Phase transformation)
 - NT3: Freezing (Phase transformation)
 - NT4: Freezing point
 - NT3: Melting
 - NT4: Melting point
 - NT3: Nucleation
 - NT4: Bubbles
 - NT4: Crystallisation
 - NT3: Sublimation
- NT2: Solubility
- NT2: Strength
- NT2: Temperature
 - NT3: Ambient temperature
- NT2: Transparency
- NT1: States of matter
 - NT2: BECs
 - NT2: Gases
 - NT3: Kinetic theory
 - NT2: Liquids
 - NT2: Mixtures
 - NT3: Colloids
 - NT4: Aerosols
 - NT5: Liquid aerosols
 - NT5: Liquid foams
 - NT5: Solid aerosols
 - NT4: Emulsions
 - NT4: Gels
 - NT4: Liquid sols

- NT4: Solid foams
- NT4: Solid sols
- NT3: Concentration (Mixtures)
- NT4: Dilution
- NT4: Molality
- NT4: Molarity
- NT4: Saturation
- NT4: Supersaturation
- NT3: Solutions
- NT4: Solutes
- NT4: Solvents
- NT2: Plasmas
- NT2: Solids (Matter)
- NT3: Crystals
- NT3: Powders

Scientific method

Scientific method

- NT1: Data collection
- NT2: Case studies
- NT2: Evidence
- NT2: Focus groups
- NT2: Interviews
- NT2: Literature reviews
- NT2: Observation
- NT3: Exploration
- NT2: Questionnaires
- NT2: Sampling
- NT2: Simulation
- NT2: Surveying
- NT1: Evaluation
- NT2: Data analysis
- NT3: Feature analysis
- NT3: Microscopy
- NT2: Hypothesis testing
- NT1: Predictions
- NT2: Theories
- NT1: Scientific control
- NT2: Experiments
- NT3: Constants
- NT3: Dependent variables
- NT3: Experimental aims
- NT3: Independent variables
- NT2: Laboratories

Full term relationships

The following sections contain full term relationship details for all terms added, modified or deleted since release of version 5.2. Modifications are detailed with a History Note. Modifications generally take one of three forms:

1. Change of parent (BT) terms, eg “HN: 5.3 – BT Genetics removed, BT Genes added”.
1. USE relationship added or removed (changing the term to non-preferred or preferred respectively).
2. Change of the term – eg addition/ removal of qualifier, change in spelling or punctuation, or change the form of the term.

Please note that changes to Narrower Terms and RT's are not recorded in History Notes and not indicated in this report.

New Terms

570 terms are added in version 5.3 and are detailed below with full term relationships. 202 are non-preferred terms.

Aboriginal reserves
USE: Aboriginal communities

Abscission
BT: Leaves
NT: Deciduous plants
Evergreen plants

Absorption spectroscopy
BT: Spectroscopy

Acetaminophen
USE: Paracetamol

Acidity
USE: pH

Actinides
BT: Periodic table

Adsorption
BT: Separation (Mixtures)
NT: Sieving (Adsorption)

Aerosols
BT: Colloids
NT: Liquid aerosols
Liquid foams
Solid aerosols

Agonistic display
USE: Threat displays

Aliphatic hydrocarbons
BT: Hydrocarbons
NT: Alkanes

Alkalinity
USE: pH

Alkanes
BT: Aliphatic hydrocarbons
NT: Butane
Ethane
Methane
Paraffins
Propane

Allergies
UF: Hypersensitivity
BT: Disorders
RT: Immune system

Allotropes
USE: Allotropy

Allotropy
UF: Allotropes
BT: Molecular structure

Anabolic steroids
BT: Androgens

Analytical chemistry
USE: Chemical analysis

Anatomy and physiology (Plants)
USE: Structure and function (Plants)

Androgens
BT: Steroid hormones
NT: Anabolic steroids
Androstenedione
Dehydroepiandrosterone
Dihydrotestosterone
Testosterone

Androstenedione
BT: Androgens

Annexation
USE: Colonisation

Antarctic Circle
BT: Parallels (Latitude)

Anxiety disorder
BT: Mental illnesses

Appetite
USE: Hunger

Arctic Circle
BT: Parallels (Latitude)

Armour (Body parts)
BT: Body parts
RT: Predation

Aromatic hydrocarbons
BT: Hydrocarbons
NT: Benzene
Benzoic acid
Paracetamol
Phenols
Toluene
Trinitrotoluene

Artificial selection
BT: Natural selection
NT: Domestication
RT: Genetic engineering

Atmospheric chemistry
USE: Atmospheric structure

Atmospheric circulation
BT: Atmospheric energy
RT: Air masses

Atmospheric energy
BT: Atmosphere
NT: Atmospheric circulation
Atmospheric light
Greenhouse effect

Atmospheric structure
UF: Atmospheric chemistry
BT: Atmosphere
NT: Air density
Ionosphere
Stratosphere
Troposphere

Atomic coherence
USE: Coherence

Attachment
UF: Separation
BT: Human relations

Australia
BT: Continents
SN: Use for resources about Australia as a continental feature.

Avian incubation
UF: Brooding
BT: Animal reproduction

Aviation fuel
UF: Jet fuel
BT: Petroleum products

Aviation safety
BT: Safety
NT: Preflight inspections
RT: Aircraft

Bactericides
BT: Pesticides

Bahai Faith
UF: Bahaism
BT: Religion

Bahaism
USE: Bahai Faith

Basketball
BT: Sports

Baths
USE: Bathing

Beaufort wind force scale
USE: Beaufort scale

BECs
UF: Bose-Einstein condensates
BT: States of matter
RT: Phase transformations

Benzene
UF: Benzol
BT: Aromatic hydrocarbons

Benzoic acid
BT: Aromatic hydrocarbons

Benzol
USE: Benzene

Billabongs
UF: Oxbow lakes
BT: Rivers

Binary fission
UF: Fission (Cell division)

BT: Asexual reproduction	Bucky balls
Cell division	USE: Fullerenes
NT: Meiosis	
Mitosis	Buckyballs
	USE: Fullerenes
Biodiesel	
BT: Renewable energy	Burrowing
	USE: Burrows
Bionanotechnology	
USE: Nanotechnology	Butane
	BT: Alkanes
Bipolar disorder	
UF: Manic depression	Calcium hydroxides
BT: Mental illnesses	BT: Bases (Alkalis)
Body clock	Calorimetry
USE: Circadian rhythms	BT: Thermal analysis
Bonding (Chemistry)	Cannibalism
UF: Chemical bonds	BT: Predation
BT: Chemical reactions	
NT: Covalent bonding	Capillary action
Dipoles	USE: Capillarity
Hydrogen bonding	
Ionic bonding	Carbamide
Molecules	USE: Urea
Bony fishes	Carbolic acid
BT: Fishes	USE: Phenols
NT: Barramundi	
Carp	Carbonates
Eels	BT: Inorganic compounds
Salmon	NT: Calcium carbonate
Trout	RT: Carbonate rocks
Tuna	Marble
Bose-Einstein condensates	Cartilaginous fishes
USE: BECs	BT: Fishes
	NT: Rays
Bosons	Sharks
BT: Elementary particles	
	Casting (Manufacturing)
Bozzetto	BT: Manufacturing processes
USE: Maquettes	
	Ceasefire
Brazing	UF: Truces
USE: Soldering	BT: Peace
Breccias	Cell differentiation
BT: Sedimentary rocks	BT: Cells
	NT: Functional cells
Bromeliads	Meristematic cells
BT: Monocots	Progenitor cells
	Stem cells
Brooding	
USE: Avian incubation	Cell function
	BT: Cells
Brothers	NT: Cell division
USE: Siblings	Cell metabolism
	Protein synthesis

Cell metabolism BT: Cell function	Collaborative inquiry USE: Action research
Cell nuclei BT: Organelles	Collembola USE: Springtails
Cell structure BT: Cells	Colour (Light) UF: Hue BT: Light RT: Colour (Visual arts)
Cereal plants USE: Grasses	Competition (Ecology) BT: Populations (Ecology) RT: Natural selection
Chemical compounds UF: Compounds BT: Matter NT: Acids Bases (Alkalis) Inorganic compounds Organic compounds RT: Mixtures	Computer chips USE: Integrated circuits
Chemical formulae USE: Chemical formulas	Computer models USE: Computer simulations
Chemical kinetics USE: Reaction rates	Conductivity BT: Properties of matter NT: Semiconductivity Superconductivity
Chemical mixtures USE: Mixtures	Conglomerate (Rocks) BT: Sedimentary rocks
Chemical symbols BT: Chemical equations	Conservation status BT: Populations (Ecology) NT: Threatened species
Chirality UF: Enantiomers BT: Molecular structure	Constants BT: Experiments
Chloroplasts USE: Plastids	Cooperative inquiry USE: Action research
Chordates BT: Animals NT: Lancelets Tunicates Vertebrates	Coordinated Universal Time USE: Greenwich Mean Time
Circadian rhythms UF: Body clock BT: Biological rhythms	Coriolis effect UF: Coriolis force BT: Earth rotation
Circles of latitude USE: Parallels (Latitude)	Cosmic rays BT: Electromagnetic radiation
Cognitive dysfunction USE: Mental illnesses	Covalent bonding BT: Bonding (Chemistry)
Coherence UF: Atomic coherence BT: Interference (Waves)	Cud chewing USE: Rumination (Digestion)
	Cystoscopes BT: Endoscopes RT: Bladder

Darmstadtium
BT: Chemical elements

Decomposition (Compounds)
BT: Chemical reactions

Deep space
USE: Space (Universe)

Dehydroepiandrosterone
BT: Androgens

Dependent variables
UF: Regressand
Response variables
BT: Experiments

Deposit feeding
BT: Animal feeding

Deposition (Phase transformation)
BT: Phase transformations

Detergents
BT: Surfactants

Deuterium
UF: Heavy hydrogen
BT: Hydrogen

Diethylbestrol
BT: Oestrogens

Dihydrotestosterone
BT: Androgens

Dimensions
BT: Measurement
NT: Area
Distance
Length

Dinitrogen oxide
USE: Nitrous oxide

Dipoles
BT: Bonding (Chemistry)

Directional stability
USE: Stability

Domestic cats
USE: Cats

Domestic dogs
USE: Dogs

Domestic labour
USE: Housework

Domestication
BT: Artificial selection
NT: Feral animals
Livestock
Pets

Dominant traits
USE: Genetic dominance

Dwarf planets
BT: Planets
NT: Eris
Pluto

Earth structure
UF: Geology
Geosphere
Physical geography
BT: Earth and space
NT: Core
Earth's crust
Mantle
Tectonic plates

Echolocation (Animals)
BT: Senses

Ecological succession
BT: Ecosystems

Ectoparasitism
UF: Ectoparasites
BT: Parasitism

Elasticity (Deformation)
BT: Properties of matter

Elasticity (Income)
USE: Income elasticity

Elasticity (Prices)
USE: Price elasticity

Electrical storms
USE: Lightning

Electroception
UF: Electoreception
BT: Senses

Electrochemical cells
USE: Galvanic cells

Electrodeposition
USE: Electroplating

Electrolytic cells
BT: Batteries
NT: Anodes
Cathodes

Electrolytes	BT: Dwarf planets
RT: Electroplating	
Electromagnetism	Ethane
BT: Fundamental forces	BT: Alkanes
NT: Electricity	Eucarya
Electromagnetic radiation	USE: Eukaryotes
Magnetism	
Electronegativity	Euclidean space
UF: Electropositivity	BT: Geometry
BT: Properties of matter	
Electrophoresis	Eukaryotes
BT: Separation (Mixtures)	UF: Eucarya
	BT: Living things
	NT: Animals
	Fungi
	Plants
	Protists
Electropositivity	
USE: Electronegativity	
	Event planning
Electroreception	BT: Service industry
USE: Electroreception	
	Evergreen plants
Embryos	UF: Evergreen trees
UF: Embryology	BT: Abscission
BT: Growth (Animals)	
	Evolutionary convergence
Emission spectroscopy	BT: Adaptation (Evolution)
BT: Spectroscopy	
	Excretory system
Emulsifiers	USE: Excretion
BT: Surfactants	
RT: Emulsions	Exocrine glands
	BT: Structure and function (Animals)
Emulsions	NT: Saliva
BT: Colloids	Tear glands
RT: Emulsifiers	
	Exoplanets
Enantiomers	UF: Extrasolar planets
USE: Chirality	Rogue planets
	BT: Planets
Endoparasitism	
UF: Endoparasites	Exoticism
BT: Parasitism	BT: Arts movements
Endoplasmic reticulum	Experimental aims
BT: Organelles	BT: Experiments
Energy and change	Experimental design
USE: Forces and energy	USE: Experiments
Energy efficiency	Extinct species
BT: Conservation of energy	UF: Extinct animals
	Extinct plants
Epidemic roseola	Prehistoric animals
USE: Rubella	BT: Threatened species
	RT: Extinction
Equilibrium	
BT: Reaction rates	Extraction
	USE: Leaching (Mixtures)
Eris	

Extrasolar planets
 USE: Exoplanets

Extrusion
 BT: Forming

Fastening
 UF: Riveting
 BT: Manufacturing processes

Fatty acids
 BT: Carboxylic acids

Fault lines
 USE: Faults

Felidae
 USE: Felines

Felines
 UF: Felidae
 BT: Placentals
 NT: Cats
 Lions
 Tigers

Filter feeding
 BT: Animal feeding

Fire tolerance (Plants)
 UF: Fire tolerant plants
 BT: Structure and function (Plants)

Fishing
 BT: Hunting
 RT: Fishes

Flame tests
 BT: Spectroscopy

Flocculation
 BT: Separation (Mixtures)

Flotation (Buoyancy)
 USE: Buoyancy

Flowering
 BT: Structure and function (Plants)

Fluid feeding
 BT: Animal feeding

Food gathering
 USE: Foraging

Foraging
 UF: Food gathering
 BT: Animal feeding

Forces and energy
 UF: Dynamics (Forces)
 Energy
 Energy and change
 Physical phenomena
 Physical processes
 Physical sciences
 Physics
 BT: Science
 NT: Energy conversion
 Energy resources
 Fundamental forces
 Heat
 Mechanical energy
 Molecular forces
 Waves (Energy)
 RT: Force units
 Newtons
 Pulleys
 Transducers
 Vectors

Forensic chemistry
 USE: Forensic science

Forensic medicine
 USE: Forensic science

Forensic science
 UF: Forensic chemistry
 Forensic medicine
 Forensics
 BT: Law enforcement
 RT: Science

Forensics
 USE: Forensic science

Forming
 BT: Manufacturing processes
 NT: Extrusion

Fovea
 BT: Retina

Fractional freezing
 BT: Separation (Mixtures)

Frames of reference
 BT: Motion
 NT: General relativity
 Special relativity

Free speech
 USE: Freedom of speech

Frequency (Statistics)
 USE: Statistical frequency

Frilled neck lizards

USE: Frill necked lizards	BT: Genes
Froth flotation	NT: Genetic drift
USE: Flotation (Separation)	Genomes
	Mutation
Fullerenes	Genomes
UF: Bucky balls	BT: Genetic variation
Buckyballs	RT: Nucleic acids
BT: Carbon	
Functional cells	Geochronology
BT: Cell differentiation	USE: Archaeological dating
Fundamental forces	Geologic faults
UF: Quantum mechanics	USE: Faults
BT: Forces and energy	Geosphere
NT: Electromagnetism	USE: Earth structure
Gravity	
Strong force	German measles
Weak force	USE: Rubella
Galvanic cells	Gluons
UF: Electrochemical cells	BT: Elementary particles
BT: Batteries	
Gamma rays	Golgi apparatus
UF: Gamma emission	BT: Organelles
BT: Electromagnetic radiation	Gothic revivalism
Radioactive decay	UF: Gothic revival art
RT: Alpha emission	BT: Revivalism
Beta emission	
Gangs	Gravitational forces
BT: Social behaviour (Humans)	USE: Gravity
Gas turbines	Gravitational potential
BT: Turbines	BT: Potential energy
	RT: Gravity
	Orbits
Gels	Group selection
BT: Colloids	BT: Natural selection
General relativity	RT: Social behaviour (Animals)
UF: Relativity	
BT: Frames of reference	Hadrons
NT: Time travel	BT: Elementary particles
Genetic dominance	Haloalkanes
UF: Dominant genes	BT: Organic compounds
Dominant traits	NT: Chlorofluorocarbons
BT: Genotype	Hydrochlorofluorocarbons
NT: Recessive genes	Hydrofluorocarbons
Genetic drift	Hearing impairment
BT: Genetic variation	BT: Disabilities
Genetic linkage	NT: Deafness
BT: Heredity	Tinnitus
Genetic variation	Heat conduction
UF: Variation (Biology)	UF: Conduction
	Heat resistance

BT: Heat flow	Ice cores
Heat flow	BT: Incremental dating
UF: Thermal diffusion	Incandescence
Thermodynamics	BT: Light
BT: Heat	Incremental dating
NT: Convection	BT: Archaeological dating
Cooling	NT: Ice cores
Heat absorption	Tree rings
Heat conduction	Varves
Thermal insulation	
Heat resistance	Independence movements
USE: Heat conduction	USE: Separatism
Heating oil	Indigeneity
BT: Petroleum products	USE: Aboriginality
Heavy hydrogen	Indigenous species
USE: Deuterium	UF: Native plants
	Native species
Homo sapiens	BT: Ecosystems
USE: Humans	
Horntails	Infantile paralysis
USE: Sawflies	USE: Poliomyelitis
Hotspots	Infra-red radiation
BT: Plate movement	USE: Infrared radiation
RT: Volcanoes	Ingestion
Household chores	UF: Eating
USE: Housework	BT: Animal feeding
Human populations	Inorganic chemistry
USE: Demography	USE: Inorganic compounds
Hunting	Inorganic compounds
BT: Predation	UF: Inorganic chemistry
NT: Fishing	BT: Chemical compounds
Stalking	NT: Air
RT: Animal tracks	Carbon oxides
Small game hunting	Carbonates
	Inorganic hydrides
Hydrogen bonding	Nitrogen oxides
BT: Bonding (Chemistry)	Salts
	Sulfur oxides
Hydrolysis	Inorganic hydrides
BT: Chemical reactions	BT: Inorganic compounds
	NT: Water
Hypersensitivity	Insecticides
USE: Allergies	USE: Pesticides
Hypotheses	Insulated glazing
USE: Predictions	USE: Window glazing
Ice ages	Integrated circuits
BT: Climate change	UF: Computer chips
RT: Glaciation	Microchips

Silicon chips	BT: Soil formation
BT: Electric circuits	
RT: Nanotechnology	
Intensity	Laughing gas
BT: Waves (Energy)	USE: Nitrous oxide
Interference (Waves)	Leaching (Mixtures)
UF: Interferometry	UF: Extraction
BT: Waves (Energy)	BT: Separation (Mixtures)
NT: Coherence	
Interferometry	Lent
USE: Interference (Waves)	BT: Religious festivals
Intermolecular forces	Leptons
USE: Molecular forces	BT: Elementary particles
International Polar Year	Life and living
USE: Arctic regions	USE: Life
Invasive species	Life origin
USE: Introduced species	USE: Origin of life
Ionic bonding	Light pollution
BT: Bonding (Chemistry)	BT: Pollution
NT: Ions	
Isomerism	Lilies
UF: Isometric molecules	BT: Monocots
BT: Molecular structure	
Isometric molecules	Linear momentum
USE: Isomerism	UF: Transverse momentum
	BT: Momentum
Isoptera	Liquid aerosols
USE: Termites	UF: Particulates
	BT: Aerosols
Jet fuel	Liquid flow
USE: Aviation fuel	BT: Fluid flow
	RT: Hydraulics
Joining	Liquid foams
BT: Manufacturing processes	BT: Aerosols
NT: Soldering	
Welding	Liquid sols
	BT: Colloids
Kin selection	Littoral zone
BT: Natural selection	USE: Coasts
RT: Genealogy	
Lacrimal gland	Local winds
USE: Tear glands	BT: Winds
	RT: Microclimates
Lancelets	Lumber
BT: Chordates	USE: Timber
Lanthanides	Luminescence
BT: Periodic table	BT: Light
	NT: Phosphorescence
Laterites	Photoluminescence

Luna	Vibration
USE: Moon	Work (Forces)
Lunar cycles	Medical instruments
BT: Celestial observation	USE: Medical equipment
Lysosomes	Meridians
BT: Organelles	BT: Longitude
Magnetoception	Meristematic cells
UF: Magnetoreception	BT: Cell differentiation
BT: Senses	Microchips
Magnetoreception	USE: Integrated circuits
USE: Magnetoception	Mineral turpentine
Main group elements	BT: Petroleum products
BT: Periodic table	Missing persons
Mangrove swamps	BT: Law enforcement
UF: Mangrove forests	Molality
BT: Wetlands	BT: Concentration (Mixtures)
RT: Estuaries	Molarity
Mangroves	BT: Concentration (Mixtures)
BT: Dicots	Molds (Fungi)
RT: Mangrove swamps	USE: Moulds (Fungi)
Manic depression	Molecular electronics
USE: Bipolar disorder	BT: Nanotechnology
Mannerism	Molecular formulas
UF: Mannerist art	USE: Chemical formulas
BT: Arts movements	Molecular mass
Market failure	USE: Molecular weight
UF: Imperfect markets	Molecular nanotechnology
Perfect markets	USE: Nanotechnology
BT: Markets	Molecular shape
Masers	USE: Molecular structure
BT: Microwaves	Molecular structure
Mass analysis	UF: Molecular shape
BT: Chemical analysis	Structure of matter
NT: Gravimetric analysis	BT: Chemical analysis
Mass spectrometry	NT: Allotropy
Mass spectrometry	Chemical formulas
BT: Mass analysis	Chirality
Mechanical energy	Isomerism
UF: Mechanics	Molecular models
BT: Forces and energy	Moons
NT: Friction	UF: Satellites (Moons)
Kinetic energy	BT: Universe
Mass	NT: Moon
Motion	RT: Satellites
Potential energy	

Morphogenesis

BT: Cells

Moulds (Fungi)

UF: Molds (Fungi)

BT: Fungi

Mountain climbing

USE: Mountaineering

Mountaineering

UF: Mountain climbing

BT: Sports

RT: Mountains

Multiple births

BT: Birth

NT: Twins

Muslims

USE: Islam

Nanolithography

BT: Nanotechnology

RT: Lithographic printing

Nanotechnology

UF: Bionanotechnology

Molecular nanotechnology

BT: Technology

NT: Molecular electronics

Nanolithography

RT: Integrated circuits

Natural sciences

USE: Science

Nematicides

BT: Pesticides

Neoteny

BT: Growth (Animals)

Neutralisation

BT: Chemical reactions

RT: Acids

Bases (Alkalis)

pH

Neutrinos

BT: Elementary particles

Niches (Ecosystems)

USE: Ecological niches

Nitrogen oxides

BT: Inorganic compounds

Noble gases

BT: Periodic table

Nucleation

BT: Phase transformations

NT: Bubbles

Crystallisation

Nucleus

USE: Atomic nucleus

Nutrient transport (Plants)

USE: Vascular tissues (Plants)

Oestradiol

BT: Oestrogens

Oestrogens

UF: Estrogens

BT: Steroid hormones

NT: Diethylbestrol

Oestradiol

Opacity

USE: Transparency

Opening ceremonies

BT: Ceremonies

Optical illusions

BT: Perception

RT: Visual arts elements

Orchids

BT: Monocots

Organelles

BT: Cells

NT: Cell nuclei

Endoplasmic reticulum

Golgi apparatus

Lysosomes

Mitochondria

Plastids

Ribosomes

Vacuoles

Origin of life

UF: Life origin

BT: Living things

RT: Evolution

Ozone

BT: Oxygen

Pack animals

USE: Working animals

Paracetamol

UF: Acetaminophen

BT: Aromatic hydrocarbons

Paraffins

BT: Alkanes

Parallels (Latitude)

UF: Circles of latitude

BT: Latitude

NT: Antarctic Circle

Arctic Circle

Equator

Tropic of Cancer

Tropic of Capricorn

Parasitism

UF: Animal parasites

Diseases and pests

Entozoa

Epizoa

Parasites

Parasitic animals

Parasitic plants

BT: Symbiosis

NT: Ectoparasitism

Endoparasitism

Particulates

USE: Liquid aerosols

Solid aerosols

Parties

BT: Social customs

Passerines

BT: Birds

NT: Bower birds

Canaries

Finches

Magpies

Sparrows

Wrens

Peptides

BT: Proteins

Personal hygiene

USE: Hygiene

Pertussis

USE: Whooping cough

Petroleum products

BT: Petroleum

NT: Aviation fuel

Diesel

Heating oil

Kerosene

LPG

Mineral turpentine

Octane ratings

Petrol

pH indicators

UF: Phenolphthalein

Universal indicator

BT: Indicator chemicals

NT: Litmus

Phases

USE: States of matter

Phenolphthalein

USE: pH indicators

Photochemical reactions

BT: Chemical reactions

NT: Photolysis

Photosynthesis

Photodissociation

USE: Photolysis

Photoluminescence

BT: Luminescence

NT: Bioluminescence

Fluorescence

Photomicroscopy

USE: Photomicrography

Photons

UF: Photonics

BT: Elementary particles

RT: Lasers

Light

Pigs

BT: Placentals

Pioneers

BT: Settlement patterns

RT: Exploration

Planetary conjunctions

BT: Orbits

NT: Eclipses

RT: Celestial spheres

Planetary systems

BT: Universe

NT: Solar System

Plant metabolism

BT: Structure and function (Plants)

NT: Chemosynthesis

Photosynthesis

Plant hormones

RT: Metabolism (Animals)

Plant physiology

USE: Structure and function (Plants)

Plasmas	Predictors
BT: States of matter	USE: Independent variables
Plastids	Prevailing wind
UF: Chloroplasts	USE: Wind direction
BT: Organelles	Princes
Plate movement	BT: Heads of state
BT: Tectonic plates	Princesses
NT: Continental drift	BT: Heads of state
Hotspots	Progenitor cells
Platyhelminths	BT: Cell differentiation
USE: Flatworms	Prokaryotes
Polar regions	USE: Bacteria
BT: Latitude	Propane
NT: Arctic regions	BT: Alkanes
North Pole	RT: LPG
South Pole	Protein synthesis
RT: Tundras	BT: Cell function
Poliomyelitis	Quarks
UF: Infantile paralysis	BT: Elementary particles
BT: Viral infections	Range (Ecology)
Population distribution (Ecology)	UF: Population distribution (Ecology)
USE: Range (Ecology)	BT: Populations (Ecology)
Population dynamics	NT: Introduced species
USE: Populations (Ecology)	Rape
Porifera	USE: Sex crime
USE: Sponges	Rates of reaction
Potential hydrogen	USE: Reaction rates
USE: pH	Rays
Predation	UF: Stingrays
UF: Animal defences	BT: Cartilaginous fishes
Defence mechanisms of animals	Reaction rates
Predator prey relationship	UF: Chemical kinetics
Predators	Rates of reaction
BT: Animal feeding	BT: Chemical reactions
NT: Birds of prey	NT: Catalysis
Cannibalism	Equilibrium
Hunting	Reactivity
Predator distraction	RT: Concentration (Mixtures)
Spider webs	Reactivity
RT: Armour (Body parts)	BT: Reaction rates
Venom	Reciprocal actions
Predator distraction	UF: Actions and reactions
UF: Predator diversion	Balanced forces
BT: Predation	Reciprocal forces
Predator diversion	BT: Motion
USE: Predator distraction	

NT: Thrust

Reciprocal forces
USE: Reciprocal actions

Recycled water
BT: Wastewater

Redox reactions
UF: Oxidation
Reduction
BT: Chemical reactions
NT: Combustion
Corrosion
Electrolysis

Reduction
USE: Redox reactions

Refineries
USE: Refining

Refining
UF: Refineries
BT: Manufacturing processes
NT: Milling
RT: Natural gas
Petroleum

Refraction
BT: Waves (Energy)
NT: Birefringence

Regressand
USE: Dependent variables

Regressors
USE: Independent variables

Remembrance
BT: Social customs

Renaissance revivalism
UF: Renaissance revival art
BT: Revivalism

Reproductive system (Plants)
USE: Plant reproduction

Resident action
UF: Resident action groups
BT: Activism

Resins
BT: Plant sap
NT: Turpentine

Response variables
USE: Dependent variables

Revivalism
UF: Revival art
BT: Arts movements
NT: Gothic revivalism
Renaissance revivalism

Ribosomes
BT: Organelles

Riding animals
USE: Working animals

Riveting
USE: Fastening

Rodenticides
BT: Pesticides

Roentgenium
BT: Chemical elements

Rogue planets
USE: Exoplanets

Rubella
UF: Epidemic roseola
German measles
Rubella virus
BT: Viral infections

Rubella virus
USE: Rubella

Sap
USE: Plant sap

Sawflies
UF: Horntails
BT: Hymenoptera

Scale models
USE: Models

Schizophrenia
BT: Mental illnesses

Scientific control
BT: Scientific method
NT: Experiments
Laboratories

Secondary forests
USE: Revegetation

Seismic scales
UF: Mercalli scale
Richter scale
BT: Scales (Measurement)
RT: Earthquakes

Semiconductivity	RT: Marine engineering
UF: Semiconductors	
BT: Conductivity	
Separation	Ship naming
USE: Attachment	USE: Ship launching
Separation (Mixtures)	Siblings
BT: Chemical analysis	UF: Brothers
NT: Adsorption	Sisters
Centrifuging	BT: Family relationship
Chromatography	
Crystallisation	Sieving (Filtration)
Decanting	BT: Filtration
Distillation	
Electrophoresis	Silicon chips
Filtration	USE: Integrated circuits
Flocculation	Sisters
Flotation (Separation)	USE: Siblings
Fractional freezing	
Leaching (Mixtures)	Slime moulds
Magnetic separation	BT: Protists
Precipitation (Chemistry)	
Separatism	Soaps
UF: Independence movements	BT: Surfactants
BT: Political movements	
Service industry	Social behaviour (Animals)
UF: Tertiary sector	BT: Animal behaviour
BT: Industries	NT: Herds
NT: Event planning	Packs
Hospitality industry	RT: Group selection
Sex industry	
Tourism	Soil profiles
	USE: Soil horizons
Sex crime	Sol
UF: Rape	USE: Sun
BT: Crime	
Sex hormones	Solar flares
USE: Steroid hormones	BT: Sun
Sex steroids	
USE: Steroid hormones	Solar wind
	BT: Sun
Shales	RT: Auroras
BT: Sedimentary rocks	
Sheltering behaviour	Solar year
BT: Animal behaviour	USE: 365 day calendar
NT: Arboreals	
Burrows	Soldering
Nests	UF: Brazing
Warrens	BT: Joining
RT: Habitats	
Ship launching	Solid aerosols
UF: Ship naming	UF: Particulates
BT: Ceremonies	BT: Aerosols
	Solid foams
	BT: Colloids
	Solid sols
	BT: Colloids

Solutes	BT: Chemical equations
BT: Solutions	
RT: Solids (Matter)	
Storm drains	
	USE: Drainage
South America	
BT: Continents	
Strong force	
	BT: Fundamental forces
Structure and function (Animals)	
UF: Relativity	UF: Animal anatomy
BT: Frames of reference	Human anatomy
	Physiology
	Zoology
Speciation	BT: Life
BT: Evolution	NT: Animal reproduction
	Biological rhythms
Specular reflection	Body fluids
USE: Mirrors	Body parts
	Body regions
Springtails	Circulatory system
UF: Collembola	Digestion
BT: Arthropods	Endocrine system
	Excretion
Static friction	Exocrine glands
UF: Stiction	Growth (Animals)
Surface friction	Hormones (Animals)
BT: Friction	Immune system
	Integumentary system
Statistical frequency	Metabolism (Animals)
UF: Frequency (Statistics)	Movement (Animals)
BT: Statistics	Muscles
	Nervous system
Steady state theory	Organs (Anatomy)
BT: Universe formation	Physical characteristics
	Respiratory system
Steam turbines	Senses
USE: Steam engines	Skeleton
Stellar evolution	
BT: Universe formation	Structure of matter
	USE: Molecular structure
Stem cells	
BT: Cell differentiation	Subsoil
	BT: Soil horizons
Stepfamilies	
USE: Blended families	Sulfur oxides
	BT: Inorganic compounds
Steroid hormones	
UF: Sex hormones	Sulphur
Sex steroids	USE: Sulfur
BT: Hormones (Animals)	
NT: Androgens	Superconductivity
Oestrogens	BT: Conductivity
Stiction	
USE: Static friction	Supersaturation
	BT: Concentration (Mixtures)
Stingrays	
USE: Rays	Surface energy
	USE: Surface tension
Stoichiometry	
	Surfactants

BT: Organic compounds	BT: Plastics
NT: Detergents	Threat displays
Emulsifiers	UF: Agonistic display
Soaps	BT: Animal behaviour
Systems of measurement	Threshing
BT: Measurement	BT: Cultivation
NT: Imperial measurement	Tidal zone
Metric system	USE: Coasts
Tablelands	Tinnitus
USE: Plateaus	BT: Hearing impairment
Tear glands	Titration
UF: Lacrimal gland	UF: Volumetric analysis
BT: Exocrine glands	BT: Chemical analysis
NT: Tears	RT: Concentration (Mixtures)
Tectonic plates	TNT
BT: Earth structure	USE: Trinitrotoluene
NT: Continental crust	Toluene
Continental shelf	BT: Aromatic hydrocarbons
Epicentres	Transformational grammar
Faults	UF: Transformations (Grammar)
Folds	BT: Grammar
Mountain building	Transformations (Grammar)
Oceanic plates	USE: Transformational grammar
Plate movement	Transition elements
Sea floor spreading	BT: Periodic table
Temperate regions	Translucency
BT: Latitude	USE: Transparency
Terrestrial astronomy	Transparency
USE: Celestial observation	UF: Opacity
Tertiary sector	Opaque materials
USE: Service industry	Translucency
Tetanus	Translucent materials
BT: Bacterial infections	Transparent materials
Theories	BT: Properties of matter
BT: Predictions	Trench warfare
Thermal analysis	BT: Sieges
BT: Chemical analysis	Trinitrotoluene
NT: Calorimetry	UF: TNT
Thermogravimetric analysis	BT: Aromatic hydrocarbons
Thermal diffusion	Tritium
USE: Heat flow	BT: Hydrogen
Thermogravimetric analysis	Tropical regions
BT: Thermal analysis	BT: Latitude
Thermoregulation (Physiology)	
USE: Body temperature	
Thermosetting plastics	

Truces	Vacuoles
USE: Ceasefire	BT: Organelles
Tunicates	Vacuums
BT: Chordates	BT: Pressure
Turpentine	RT: Barometers
BT: Resins	Varves
Twins	BT: Incremental dating
BT: Multiple births	Vascular tissues (Plants)
Ultraviolet light	UF: Nutrient transport (Plants)
USE: Ultraviolet rays	Water transport (Plants)
Underdevelopment	BT: Structure and function (Plants)
USE: Developing countries	NT: Phloem
Universal indicator	Xylem
USE: pH indicators	Venation
Universal time	BT: Leaves
USE: Greenwich Mean Time	Viricides
Universe	BT: Pesticides
UF: Astronomy	Viscosity
BT: Earth and space	BT: Cohesion (Forces)
NT: Asteroids	RT: Fluid friction
Celestial observation	Water fluoridation
Comets	BT: Water treatment
Galaxies	RT: Dental hygiene
Meteors	Fluorine
Moons	Water transport (Plants)
Planetary systems	USE: Vascular tissues (Plants)
Planets	Water treatment
Quasars	BT: Water supply
Space (Universe)	NT: Wastewater
Stars (Universe)	Water fluoridation
Universe formation	Water vapour
RT: Astronomers	BT: Water
Astronomical instruments	RT: Clouds
Astronomical maps	Humidity
Space exploration	Weak force
Urban forests	BT: Fundamental forces
USE: Forest parks	Welding
Urban regeneration	BT: Joining
USE: Urban renewal	Whooping cough
Urban renewal	UF: Pertussis
UF: Urban regeneration	BT: Bacterial infections
BT: Town planning	Wicca
Urea	UF: Witches
UF: Carbamide	BT: Religion
BT: Amides	
Utopian socialism	
USE: Utopianism	

Wildfires
USE: Bushfires

Wind direction
UF: Prevailing wind
BT: Winds

Wind generators
USE: Wind turbines

Wind turbines
UF: Wind generators
BT: Turbines

Witches
USE: Wicca

Working animals
UF: Pack animals
Riding animals

BT: Livestock
RT: Horse drawn vehicles

World War One
USE: World wars

World War Two
USE: World wars

World wars
UF: World War One
World War Two
BT: War

Xanthophylls
BT: Pigments

Xenobiology
USE: Extraterrestrial life

Modified terms

Aboriginal communities
UF: Aboriginal reserves
BT: Communities
RT: Aboriginal languages
Aboriginal peoples
Aboriginality
HN: 5.3 - BT Aboriginal peoples removed.

Aboriginal land councils
UF: Land Councils
BT: Aboriginal law
RT: Land custodianship
HN: 5.3 - BT Aboriginal organisations removed, BT Aboriginal law added.

Abortion
BT: Birth rate
HN: 5.1; 5.3 - BT Pregnancy removed, BT Birth rate added.

Absolute zero
BT: Kelvin scale
HN: 5.3 - BT Low temperatures removed, BT Kelvin scale added.

Absorption (Waves)
BT: Waves (Energy)
RT: Pigments
Soundproofing
HN: 5.3 - Qualifier added.

Acclimatisation
BT: Body temperature

HN: 5.3 - USE Adaption (Biology) removed, BT Body temperature added.

Acetic acid
UF: Ethanoic acid
Vinegar
BT: Carboxylic acids
HN: 5.3 - BT Acids removed, BT Carboxylic acids added.

Acid rain
BT: Air quality
RT: Nitric acid
Rain
Sulfuric acid
HN: 5.3 BT Air pollution removed, BT Air quality added.

Acids
BT: Chemical compounds
NT: Absciscic acid
Ascorbic acid
Aspartic acid
Boric acids
Carbonic acid
Carboxylic acids
Chromic acid
Citric acid
Cyanuric acid
Hydrochloric acid
Nitric acid
Phosphoric acid
Sulfonic acid
Sulfuric acid

Uric acid
 RT: Acidification
 Neutralisation
 pH
 HN: 5.3 - BT Chemicals removed, Chemical compounds added.

Acoustic tracks
 BT: Animal tracks
 RT: Animal sounds
 Echolocation
 HN: 5.3 - Changed from Biological acoustics to Acoustic tracks. BT Animal behaviour removed, BT Animal tracks added. Scope note removed.

Acting space
 USE: Performing space
 HN: 5.3 - Scope note removed. BT Stages (Theatre) removed, USE Performing space added.

Action research
 UF: Collaborative inquiry
 Cooperative inquiry
 BT: Education
 HN: 5.3 - BT Research removed, BT Educational research added.

Adaptation (Evolution)
 UF: Animal adaptations
 Behavioural adaptation
 Physiological adaptation
 Structural adaptation
 BT: Evolution
 NT: Camouflage
 Evolutionary convergence
 Mimicry
 Plant defences
 RT: Animal behaviour
 Homeostasis
 HN: 5.3 - BT Biology removed, Evolution added. Qualifier changed from Biology to Evolution.

Addends
 USE: Addition
 HN: 5.3 - BT Addition removed, USE Addition added.

Aeronautics
 UF: Aviation
 BT: Engineering
 NT: Air sports
 Air transport
 Aircraft
 Balloons
 Kites (Aeronautics)
 Rockets
 Space flight

RT: Flight
 SN: Use for resources on the science, technology or art of flight. For resources on the physical mechanics of flight use Flight.
 HN: 5.3 - Scope Note edited.

Age
 BT: Growth (Animals)
 NT: Maturity
 RT: Age groups
 Life expectancy
 HN: 5.3 - BT Representation removed, Growth added.

Agenda setting
 BT: Power (Political sciences)
 RT: Propaganda
 Public opinion
 SN: Use for resources on the power of communication to shape and formulate opinion and direction through choice of topics considered and/or the perspectives offered.
 HN: 5.3 - BT Media issues removed, BT Power (Political sciences) added.

Agitprop
 BT: Propaganda
 RT: Political theatre
 HN: 5.3 - Changed from Agitprop theatre to Agitprop. BT Political theatre removed, BT Propaganda added.

Agricultural chemicals
 USE: Fertilisers
 Pesticides
 HN: 5.3 - BT Chemicals removed. USE Pesticides and Fertilisers added.

Agricultural land
 BT: Agriculture
 NT: Orchards
 Paddocks
 Plantations
 Vineyards
 HN: 5.3 - BT Land removed, BT Agriculture added.

Air
 BT: Inorganic compounds
 RT: Atmosphere
 SN: Use for general resources about air and for works about air as a chemical element. For resources about the air that surrounds the Earth use Atmosphere.
 HN: 5.3 - Scope note removed. BT Meteorology removed, BT Inorganic compounds added.

Air currents
 USE: Winds

HN: 5.3 - BT Meteorology removed, USE
Winds added.

Air density

BT: Atmospheric structure

SN: Use for resources on the mass density
of a parcel of air expressed in units of mass per
volume.

HN: 5.3 - BT Density removed BT
Atmospheric structure added.

Air masses

BT: Weather

NT: Atmospheric pressure

Fronts

Orographic lift

Storms

Thermals

RT: Air pressure

Atmosphere

Atmospheric circulation

Jet streams

HN: 5.3 - BT Meteorology removed.

Air pressure

BT: Pressure

RT: Air masses

HN: 5.2 - BT Weather removed, Air added.

All NT and RTs moved to Atmospheric
pressure; 5.3 - BT Air removed, BT Pressure
added.

Air quality

BT: Environmental management

NT: Acid rain

Emissions

Greenhouse gases

Photochemical smog

RT: Pollution

HN: 5.3 - BT Air removed, BT

Environmental management added.

Air resistance

USE: Drag

HN: 5.3 - BT Fluid friction removed, USE
Drag added.

Airspeed

BT: Speed

RT: Knots (Velocity)

SN: Use for works about the distance flown
by an aircraft over time relative to the
surrounding air and not the Earth's surface.

HN: 5.3 - BT Aerodynamics removed.

Aldehydes

BT: Organic compounds

HN: 5.3 - BT Organic compounds added,
BT Alcohols removed.

Algal blooms

BT: Water pollution

RT: Cyanobacteria

Phytoplankton

HN: 5.3 - BT Water quality removed, BT
Water pollution added.

Alkalies

USE: Bases (Alkalies)

HN: 5.3 - BT Bases removed, USE Bases
(Alkalies) added.

Alternate angles

USE: Corresponding angles

HN: 5.3 - BT Angles removed, USE
Corresponding angles added.

Altitude

BT: Elevation

RT: Altimeters

Contour lines

HN: 5.3 - BT Measurement removed, BT
Elevation added.

Amino acids

BT: Proteins

HN: 5.3 - BT Acids removed, BT Proteins
added.

Ammonia

BT: Bases (Alkalies)

HN: 5.3 - BT Gases removed, BT Bases
(Alkalies) added.

Angles

BT: Geometry

NT: Acute angles

Adjacent angles

Angles of depression

Angles of elevation

Cointerior angles

Complementary angles

Corresponding angles

Cosine

Exterior angles

Interior angles

Obtuse angles

Opposite angles

Reflex angles

Revolution (Angles)

Right angles

Sine

Straight angles

Supplementary angles

Tangents

Vertices

RT: Angle units

Bisectors

HN: 5.3 - BT Trigonometry removed, BT
Geometry added.

Animal adaptations
 USE: Adaptation (Evolution)
 HN: 5.3 - BT Zoology removed, USE Adaptation (Biology) added.

Animal anatomy
 USE: Structure and function (Animals)
 HN: 5.3 - USE Anatomy removed, USE Structure and function (Animals) added.

Animal behaviour
 UF: Behaviour
 Habits of animals
 BT: Life
 NT: Animal communication
 Animal feeding
 Diurnalism
 Hibernation
 Nocturnalism
 Parental behaviour
 Reproductive behaviour
 Resting
 Sheltering behaviour
 Social behaviour (Animals)
 Territorial behaviour
 Threat displays
 RT: Adaptation (Evolution)
 Human behaviour
 Pheromones
 HN: 5.3 - BT Zoology removed, BT Life added.

Animal defences
 USE: Predation
 HN: 5.3 - BT Animal behaviour removed, USE Predation added.

Animal experimentation
 BT: Animal welfare
 HN: 5.0 - BT Research removed, Experiments added. 5.3 - BT Experiments removed, BT Animal welfare added.

Animal life cycles
 USE: Growth (Animals)
 HN: 5.3 - USE Life cycles removed, USE Growth (Animals) added.

Animal mechanics
 USE: Movement (Animals)
 HN: 5.3 - USE Biomechanics removed, USE Movement (Physiology) added.

Animal migration
 UF: Migration of animals
 BT: Populations (Ecology)
 HN: 5.3 - BT Migration and BT Animal behaviour removed, BT Populations (Ecology) added.

Animal reproduction
 UF: Childbirth
 BT: Structure and function (Animals)
 NT: Asexual reproduction
 Avian incubation
 Birth
 Birth control
 Breeding
 Conception
 Copulation
 Diapause
 Eggs
 Fertilisation
 Fertility
 Hermaphroditism
 Menstruation
 Pregnancy
 Sexual reproduction
 Spawning
 RT: Reproductive behaviour
 Reproductive organs
 Reproductive technology
 HN: 5.3 - BT Physiology removed, BT Structure and function (Animals) added. Qualifier added. Changed from Reproductive system to Animal Reproduction.

Animal sounds
 BT: Animal communication
 NT: Bird calls
 Trilling
 RT: Acoustic tracks
 Environmental music
 New music
 Soundscapes (Music)
 HN: 5.3 - BT Sounds removed.

Animal tracks
 BT: Movement (Animals)
 NT: Acoustic tracks
 RT: Hunting
 HN: 5.3 - Changed from Tracks to Animal tracks. BT Animal behaviour removed, BT Movement (Animals) added.

Animal welfare
 UF: Abuse of animals
 Cruelty to animals
 Mistreatment of animals
 Prevention of cruelty to animals
 Protection of animals
 Treatment of animals
 BT: Social services
 NT: Animal experimentation
 Animal rights
 Animal sanctuaries
 RT: Bioethics
 SN: Use for resources on the protection and treatment of animals. For resources on the

inherent rights attributed to animals use
Animal rights.
HN: 5.3 - BT Animals removed, BT Social
services added.

Animals

UF: Beasts

Fauna

Wild animals

Wildlife

Zoo animals

BT: Eukaryotes

NT: Chordates

Invertebrates

RT: Body regions

Veterinary medicine

Wildlife sanctuaries

Zoos

SN: Use for resources on animals, and
classifications/types of animal. For resources
on the scientific study of animals use Zoology.

HN: 5.3 - BT Biology removed, BT
Eukaryotes added.

Anniversaries

BT: Celebrations

NT: Birthdays

National days

RT: Holidays

SN: Use for resources about annual
recognition or celebration of the date of
particular events. For resources on
anniversaries for national days of countries use
National days.

HN: 5.3 - BT Time (Measurement)
removed.

Anodes

UF: Negative electrodes

BT: Electrolytic cells

RT: Cathodes

HN: 5.3 - BT Electrodes removed, BT
Electrolytic cells added.

Antimony

BT: Chemical elements

HN: 5.3 - BT Solids (Matter) removed

Antlers

USE: Horns

HN: 5.3 - BT Horns removed, USE Horns
added.

Apartheid

BT: Social and political systems

HN: 5.3 - BT Racial discrimination
removed, BT Social and political systems
added.

Aphids

BT: Hemiptera

RT: Pests

HN: 5.3 - BT Homoptera removed, BT
Hemiptera added.

Arachnids

BT: Arthropods

NT: Mites

Scorpions

Spiders

Ticks

HN: 5.3 - BT Invertebrates removed, BT
Arthropods added.

Arboreals

UF: Arboreal animals

Tree dwelling animals

BT: Sheltering behaviour

HN: 5.3 - BT Animals removed, BT
Sheltering behaviour added.

Archaea

BT: Living things

HN: 5.3 - BT Microorganisms removed, BT
Living things added.

Archetypes

BT: Characters (Rhetorical device)

RT: Stereotypes

HN: 5.3 - BT Characters (Drama) removed.

Arctic regions

UF: International Polar Year

BT: Polar regions

HN: 5.3 - BT Tundras removed, BT Polar
regions added.

Area

BT: Dimensions

NT: Surface area

HN: 5.3 - BT Measurement removed, BT
Dimensions added.

Argon

BT: Chemical elements

HN: 5.3 - BT Gases removed

Arias

BT: Songs

RT: Musical theatre

HN: 5.3 - BT Cantatas, BT Operas and BT
Oratorios removed, BT Songs added.

Armed forces

BT: National security

NT: Air forces

Armies

Military equipment

Military service

Navies

RT: Military uniforms
Soldiers
War
HN: 5.3 - BT Military organisations removed, BT National security added.

Arrow diagrams
BT: Diagrams
RT: Processes
HN: 5.3 - BT Data representation removed.

Arsenic
BT: Chemical elements
HN: 5.3 - BT Solids (Matter) removed

Art Deco
BT: Modernist art
HN: 5.3 - BT Decorative arts and Design removed, BT Modernist art added.

Art historians
BT: Historians
RT: Visual arts
HN: 5.3 - BT Occupations removed, BT Historians added.

Art Nouveau
BT: Modernist art
HN: 5.3 - BT Decorative arts and Design removed, BT Modernist art added.

Arthropods
BT: Invertebrates
NT: Arachnids
Centipedes
Crustaceans
Insects
Millipedes
Springtails
HN: 5.3 - USE Invertebrates removed, BT Invertebrates added.

Astatine
BT: Chemical elements
HN: 5.3 - BT Solids (Matter) removed

Asteroidea
USE: Sea stars
HN: 5.3 - USE Starfish removed, USE Sea stars added.

Asteroideans
USE: Sea stars
HN: 5.3 - USE Starfish removed, USE Sea stars added.

Asteroids
UF: Minor planets
Planetoids
BT: Universe

HN: 5.3 - BT Solar system removed, BT Universe added.

Astronomical observatories
UF: Observatories
BT: Astronomical instruments
RT: Space exploration
HN: 5.3 - BT Astronomy removed, BT Astronomical instruments added.

Astronomy
USE: Universe
HN: 5.3 - BT Science removed, USE Universe added.

Atlases
BT: Maps
HN: 5.3 - BT Books removed.

Atmosphere
BT: Earth and space
NT: Atmospheric energy
Atmospheric structure
RT: Air
Air masses
Atmospheric pressure
SN: Use for resources on the body of air surrounding the Earth or other celestial objects. For resources on air as an element and its chemical and physical properties use Air.
HN: 5.0 - BT Earth removed. 5.2 - Qualifier removed. 5.3 - BT Earth sciences removed, BT Earth and space added. Scope note edited.

Atmospheric light
UF: Atmospheric optics
Meteorological optics
BT: Atmospheric energy
NT: Auroras
Rainbows
Sky
RT: Eclipses
Far side
HN: 5.3 - Changed Meteorological optics to Atmospheric light. BT Optics removed, BT Atmospheric energy added.

Atmospheric pressure
UF: Barometric pressure
BT: Air masses
NT: High pressure systems
Low pressure systems
RT: Atmosphere
Barometers
Hectopascals
Humidity
Isobars
Synoptic charts
HN: 5.3 - BT Weather removed, BT Air masses added.

Ato
 UF: Atos
 BT: Basketwork
 SN: Use for resources about Samoan woven baskets.
 HN: 5.3 - BT Samoan customs removed, BT Basketwork added.

Atomic nucleus
 UF: Nucleus
 BT: Atoms
 HN: 5.3 - Changed from Nucleus to Atomic nucleus.

Atoms
 UF: Nuclear chemistry
 Nuclear physics
 BT: Matter
 NT: Atomic mass
 Atomic nucleus
 Atomic number
 Atomic theory
 Elementary particles
 Isotopes
 Radioactivity
 HN: 5.3 - BT Molecules removed, BT Matter added.

Auroras
 UF: Aurora australis
 Aurora borealis
 Northern lights
 Southern lights
 BT: Atmospheric light
 RT: Solar wind
 HN: 5.3 - BT Meteorology removed.

Australasian Merinos
 UF: Merinos
 BT: Sheep breeds
 RT: Spanish Merinos
 HN: 5.3 - BT Australasian sheep breeds removed, BT Sheep breeds added.

Avalanches
 BT: Landslides
 RT: Snow
 HN: 5.3 - BT Earth movements removed, BT Landslides added.

Average cost
 BT: Costs
 NT: Economies of scale
 HN: 5.3 - Changed from Average per unit costs to Average cost.

Axes
 UF: Axis
 BT: Coordinates

RT: Lines
 HN: 5.3 - BT Coordinate geometry removed, BT Coordinates added.

Axial tilt
 UF: Tilt
 BT: Orbits
 NT: Equinoxes
 RT: Seasons
 HN: 5.3 - BT Astronomy removed, BT Orbits added.

Baby animals
 UF: Animal babies
 Babies (Animals)
 Infant animals
 Young animals
 BT: Growth (Animals)
 NT: Fledglings
 SN: Use for general resources and collections about baby animals. For animals of a specific species use this subject term and the name of the species.
 HN: 5.3 - BT Animals removed, BT Growth added.

Bacteria
 UF: Bacteriology
 Bacterion
 Bacterium
 Microbes
 Microbiology
 Prokaryotes
 BT: Living things
 NT: Cyanobacteria
 RT: Bacterial infections
 Diseases
 Microscopy
 Viruses
 HN: 5.0 - Micro organisms removed as RT and added as BT.

Bacteriology
 USE: Bacteria
 HN: 5.3 - USE Bacteria.

Balanced forces
 USE: Reciprocal actions
 SN: Use for resources on the state of equilibrium when forces of equal magnitude are exerted in opposite directions
 HN: 5.3 - BT Forces removed, USE Reciprocal actions added.

Balancing
 UF: Balance (Human movement)
 BT: Motor skills
 RT: Acrobatics
 HN: 5.3 - BT Human movement removed, BT Motor skills added.

Ballet
 BT: Dance genres
 Dances (Dance forms)
 NT: Ballet music
 Barre work
 Centre work
 Classical ballet
 Jazz ballet
 Neoclassical ballet
 Romantic ballet
 RT: Ballet dancers
 Ballet shoes
 HN: 5.3 - BT Dance (Arts) removed.

Barramundi
 BT: Bony fishes
 HN: 5.3 - BT Fish removed, BT Bony fishes added.

Basalt
 BT: Volcanic rocks
 HN: 5.3 - BT Igneous rocks removed, BT Volcanic rocks added.

Bases (Alkalis)
 UF: Alkalis
 BT: Chemical compounds
 NT: Ammonia
 Calcium hydroxides
 Lithium hydroxide
 Potassium hydroxide
 Sodium hydroxides
 RT: Litmus
 Neutralisation
 pH
 HN: 5.3 - BT Chemicals removed, BT Chemical compounds added. Qualifier changed to Alkalis.

Bathing
 UF: Baths
 BT: Domestic water use
 RT: Hygiene
 HN: 5.3 - Changed from Baths to Bathing.

Batik
 UF: Wax resist dyeing
 BT: Dyeing
 HN: 5.3 - BT Dyes removed, BT Dyeing added.

Bearings (Direction)
 UF: Compass bearings
 True bearings
 BT: Navigation
 NT: East
 North
 South
 West

RT: Compass
 Direction (Geometry)
 Maps
 HN: 5.3 - BT Geographic location removed, BT Navigation added.

Behavioural models
 USE: Human behaviour
 HN: 5.3 - BT Models removed, USE Human behaviour added.

Betrothal
 BT: Marriage
 HN: 5.3 - BT Social customs removed, BT Marriage added.

Big Bang Theory
 BT: Universe formation
 HN: 5.3 - BT Universe and BT Creation removed, BT Universe formation added.

Binomial
 BT: Polynomials
 HN: 5.3 - Changed from Binomial expressions to Binomial. BT Expressions removed, BT Polynomial added.

Bioaccumulation
 UF: Biological magnification
 Biomagnification
 BT: Food chains
 SN: Use for resources about the progressive increase in the amount of a substance in an organism or part of an organism which occurs because the rate of intake exceeds the organism's ability to remove the substance from the body.
 HN: 5.3 - BT Biochemistry removed, BT Food chains added.

Biochemists
 BT: Scientists
 HN: 5.3 - BT Biochemistry removed.

Biodegradation
 UF: Biodeterioration
 Biological degradation
 BT: Organic matter
 RT: Decomposition (Living things)
 HN: 5.3 - BT Decomposition removed, BT Organic matter added.

Biodiversity
 UF: Biological diversity
 Variation (Biology)
 BT: Ecosystems
 SN: Use for resources about the diversity of species of plants and animals.
 HN: 5.3 - BT Biology removed, BT Ecosystems added.

Bioethics
 BT: Ethics
 RT: Animal welfare
 Euthanasia
 Medicine
 HN: 5.0 - RT Science removed.

Biogas
 BT: Biomass
 HN: 5.3 - BT Renewable energy removed,
 BT Biomass added.

Biogeochemical cycles
 BT: Ecosystems
 NT: Carbon cycle
 Nitrogen cycle
 Nutrient cycles
 Phosphorous cycle
 Sulfur cycle
 Water cycle
 HN: 5.3 - BT Biology removed, BT
 Ecosystems added.

Bioindicators
 UF: Biological indicators
 BT: Ecosystems
 RT: Pollution
 SN: Use for resources about organisms that
 are used to detect changes in environmental
 pollutant levels.
 HN: 5.3 - BT Biology removed, BT
 Ecosystems added.

Biological control
 BT: Pest control
 RT: Agriculture
 Fertilisers
 Pesticides
 HN: 5.3 - BT Environmental management
 removed, BT Pest control added.

Biological rhythms
 UF: Biological clocks
 Biorhythms
 BT: Structure and function (Animals)
 NT: Circadian rhythms
 HN: 5.3 - BT Biology removed, BT
 Structure and function (Animals) added.

Biologists
 BT: Scientists
 RT: Life
 HN: 5.3 - BT Biology removed, RT Life
 sciences added.

Biology
 USE: Life
 HN: 5.3 - Changed from Life sciences to
 Biology.

Bioluminescence
 UF: Animal light
 Photobiology
 BT: Photoluminescence
 NT: Photophores
 HN: 5.3 - BT Phosphorescence removed,
 BT Photoluminescence added.

Biomagnification
 USE: Bioaccumulation
 HN: 5.3 - BT Biochemistry removed, USE
 Bioaccumulation added.

Biomass
 BT: Renewable energy
 NT: Biogas
 HN: 5.3 - BT Biosphere removed, BT
 Renewable energy added.

Biomechanics
 USE: Movement (Animals)
 HN: 5.3 - made non preferred term.

Biosecurity
 BT: Security
 RT: Pest control
 Quarantine
 HN: 5.3 - BT Agriculture removed.

Birds of prey
 UF: Raptors
 BT: Predation
 RT: Eagles
 Owls
 Tawny frogmouths
 HN: 5.3 - BT Birds removed, BT Predation
 added.

Birefringence
 UF: Double refraction
 BT: Refraction
 HN: 5.3 - BT Refraction (Light) removed,
 BT Refraction added.

Birth
 BT: Animal reproduction
 NT: Hatching
 Multiple births
 RT: Birth control
 Birth rate
 Midwives
 Postnatal depression
 Pregnancy
 HN: 5.3 - BT Life cycles removed, BT
 Reproduction (Animals) added.

Birthplaces
 BT: Family history

HN: 5.3 - BT Places removed, BT Family history added.

Bisection

USE: Bisectors

HN: 5.3 - BT Mathematical concepts removed, USE Bisectors added.

Blattodea

USE: Cockroaches

HN: 5.3 - BT Insects removed, USE Cockroaches added.

Blue

BT: Primary colours

HN: 5.3 - Qualifier (Colour) removed.

Body fluids

BT: Structure and function (Animals)

HN: 5.3 - BT Anatomy removed, BT Structure and function (Animals) added.

Body painting

UF: Face painting

BT: Body marking

Painting

HN: 5.3 - BT Decorative arts removed.

Body parts

BT: Structure and function (Animals)

NT: Armour (Body parts)

Arms

Beaks

Feet (Body)

Fins

Hands

Legs

Proboscises

Stinger

Swim bladder

Tail

Wings (Birds)

RT: Body regions

HN: 5.3 - BT Anatomy removed, BT

Structure and function (Animals) added.

Body regions

BT: Structure and function (Animals)

NT: Abdomen

Back

Head

Legs

Neck

Thorax

Torso

RT: Animals

Body parts

Humans

HN: 5.3 - BT Anatomy removed, BT Structure and function (Animals) added.

Body temperature

UF: Thermoregulation (Physiology)

BT: Metabolism (Animals)

NT: Acclimatisation

Cold blooded animals

Shivering

Sweating

Warm blooded animals

HN: 5.3 - BT Temperature and BT Physiology removed, BT Metabolism (Animals) added.

Boiling point

BT: Properties of matter

RT: Boiling

Steam

HN: 5.3 - BT Properties of matter added, BT High temperatures removed.

Book illumination

UF: Illuminated books

Illumination of books

BT: Illustration

RT: Calligraphy

Manuscript illumination

HN: 5.3 - BT Books removed.

Boron

BT: Chemical elements

HN: 5.3 - BT Solids (Matter) removed

Botany

USE: Structure and function (Plants)

SN: Use for resources of a technical or scientific nature. For general descriptive resources on plants use Plants.

HN: 5.0 - BT Science removed, BT Biology added; 5.3 - BT Biology removed, USE Structure and function (Plants) added.

Bower birds

BT: Passerines

HN: 5.3 - BT Birds removed BT Passerines added.

Breadth

UF: Width

BT: Length

HN: 5.3 - BT Measurement removed, BT Length added.

Break even point

USE: Break even analysis

HN: 5.3 - BT Profitability removed, USE Break even analysis added.

Bricks (Building materials)

UF: Blocks

Building blocks

BT: Ceramics
HN: 5.3 - BT Building materials removed.

Bristletails
BT: Insects
NT: Silverfish
HN: 5.3 - Changed from Apterygota to Bristletails.

Bromine
BT: Chemical elements
HN: 5.3 - BT Liquids removed.

Bubbles
BT: Nucleation
HN: 5.3 - BT Air removed, BT Nucleation added.

Buds
BT: Flowers
RT: Budding
HN: 5.3 - BT Flowering plants removed BT Flowers added.

Bugs
USE: Hemiptera
HN: 5.3 - BT Heteroptera removed, USE Hemiptera added.

Building (Engineering)
UF: Architectural engineering
Construction
Construction engineering
Structural engineering
BT: Engineering
NT: Building design
Carpentry
Demolition
Home renovation
Road construction
Scaffolding
Shock resistant construction
RT: Building codes
Building components
Building industry
Buildings (Structures)
Materials
SN: Use for resources on the process of constructing buildings. For the design and style of buildings use Architecture. For descriptive works on buildings use Buildings (Structures).
HN: 5.3 - BT Structural engineering removed, BT Engineering added.

Building insulation
BT: Building components
NT: Electrical insulation
Insulation batts
Soundproofing
Window glazing

RT: Engineering
Thermal insulation
HN: 5.3 - BT Energy transfer removed.
Changed from Insulation to Building insulation.

Building materials
USE: Materials
HN: 5.3 - BT Materials removed, USE Materials added.

Buoyancy
UF: Floating
Flotation (Buoyancy)
Sinking
BT: Density
RT: Ballast
HN: 5.3 - BT Statics removed, BT Density added.

Burden of proof
BT: Court procedures
HN: 5.3 - BT Evidence removed, BT Court procedures added.

Burial sites
UF: Cemeteries
Graveyards
BT: Sacred sites
RT: Burials
HN: 5.3 - BT Historic sites removed, BT Sacred sites added.

Burrows
UF: Burrowing
BT: Sheltering behaviour
HN: 5.3 - BT Warrens removed, BT Sheltering behaviour added.

Bush
USE: Sclerophyll forests
HN: 5.3 - USE Sclerophyll forests added, USE Forests removed.

Calcium carbonate
BT: Carbonates
RT: Limestone
HN: 5.3 - BT Calcium removed, BT Carbonates added.

Calendars
BT: Factual texts
NT: 365 day calendar
Gregorian calendar
Lunisolar calendars
HN: 5.3 - BT Time removed, BT Factual texts added.

Camber
BT: Curves

HN: 5.3 - BT Geometric concepts removed,
BT Curves added.

Camels

BT: Placentals

HN: 5.2; 5.3 - BT Mammals removed, BT
Placentals added.

Camouflage

UF: Animal camouflage

BT: Adaptation (Evolution)

HN: 5.3 - BT Animal defences removed, BT
Adaptaion (Life) added.

Canaries

BT: Passerines

HN: 5.3 - BT Birds removed BT Passerines
added.

Capacity

USE: Volume (Geometry)

HN: 5.3 - BT Geometric concepts removed,
USE Volume (Geometric concepts) added.

Capillarity

UF: Capillary action

BT: Adhesion

RT: Surface tension

HN: 5.3 - BT Molecular forces removed, BT
Adhesion added.

Capital resources

USE: Capital (Finance)

HN: 5.3 - BT Resources removed, USE
Capital (Finance) added.

Carbon

BT: Chemical elements

NT: Diamonds (Gemstones)

Fullerenes

Graphite

RT: Carbon cycle

Radiocarbon dating

HN: 5.3 - BT Solids (Matter) removed

Carbon compounds

HN: 5.3 - Delete

Carbon dating

USE: Radiocarbon dating

HN: 5.3 - BT Archeological dating
removed, USE Radiocarbon dating added.

Carbon dioxide

BT: Carbon oxides

RT: Greenhouse gases

HN: 5.3 - BT Gases removed, BT Carbon
oxides added.

Carbon monoxide

BT: Carbon oxides

HN: 5.3 - BT Gases removed, BT Carbon
oxides added.

Carnivores

UF: Flesh eating animals

Meat eating animals

BT: Animal feeding

RT: Carnivorous plants

Insectivores

Secondary consumers

HN: 5.3 - BT Animals removed, BT Animal
feeding added.

Carnivorous plants

UF: Flesh eating plants

Insectivorous plants

Meat eating plants

BT: Plant nutrition

NT: Pitcher plants

RT: Carnivores

HN: 5.3 - BT Plants removed, BT Plant
nutrition added.

Carp

BT: Bony fishes

RT: Introduced species

HN: 5.3 - BT Fish removed, BT Bony fishes
added.

Case studies

BT: Data collection

HN: 5.3 - BT Research removed, BT Data
collection added.

Cash flow statements

USE: Cash flows

HN: 5.3 - BT Financial reports removed,
USE Cash flows added.

Cast iron

BT: Alloys

RT: Iron

HN: 5.2; 5.3 - BT Iron removed, BT Alloys
added.

Casting (Sculpture)

BT: Sculpture

NT: Centrifugal casting

Lost wax casting

Plaster casts

Slip casting

HN: 5.3 - BT Founding removed.

Catalysis

BT: Reaction rates

RT: Enzymes

HN: 5.3 - BT Chemical reactions removed,
BT Rates of reactions added.

Catchment management
 UF: Drainage basins
 Groundwater management
 BT: Water supply
 NT: Environmental flows
 RT: Dams
 Water quality
 HN: 5.0 - BT Catchments removed, Water supply added.

Cathodes
 UF: Positive electrodes
 BT: Electrolytic cells
 RT: Anodes
 Cathode ray oscilloscopes
 HN: 5.3 - BT Electrodes removed, BT Electrolytic cells added.

Cats
 UF: Domestic cats
 BT: Felines
 RT: Pets
 HN: 5.3 - BT Placentals removed, BT Felines added.

Causeways
 BT: Structures
 HN: 4.6; 5.3 - BT Built environment removed, BT Structures added.

Celestial observation
 UF: Terrestrial astronomy
 BT: Universe
 NT: Celestial spheres
 Lunar cycles
 Space exploration
 HN: 5.3 - USE Astronomy removed, BT Universe added.

Celestial spheres
 BT: Celestial observation
 NT: Celestial poles
 Constellations
 RT: Navigation
 Planetary conjunctions
 HN: 5.0 - BT Navigation removed, BT Meteorological optics added. 5.3 - BT Astronomy and BT Meteorological optics removed, BT Celestial observation added.

Cell division
 BT: Cell function
 NT: Binary fission
 HN: 5.3 - USE Meiosis and USE Mitosis removed, BT Cell function added.

Cells
 UF: Cell biology
 Cytology
 Microbiology

BT: Life
 NT: Cell differentiation
 Cell function
 Cell structure
 Chromosomes
 Morphogenesis
 Organelles
 RT: Biotechnology
 HN: 5.3 - BT Microbiology removed, Life sciences added.

Cement
 BT: Materials
 NT: Concrete
 RT: Masonry
 HN: 5.3 - BT Masonry removed, RT Masonry added, BT Building materials removed, BT Materials added.

Censorship
 BT: Intellectual freedom
 RT: Freedom of the press
 HN: 5.3 - BT Media issues removed.

Censuses
 BT: Demography
 HN: 5.3 - BT Surveys removed, BT Demography added.

Centipedes
 UF: Chilopoda
 BT: Arthropods
 HN: 5.3 - BT Chilopodo removed, BT Arthropods added.

Central tendency
 BT: Statistics
 NT: Mean
 Median
 Mode
 HN: 5.3 - Changed from Measures of central tendency to Central tendency. BT Data analysis removed, BT Statistics added.

Centrifuging
 BT: Separation (Mixtures)
 HN: 5.3 - BT Analytical chemistry removed, BT Separation (Mixtures) added.

Chalk
 BT: Artists' materials
 RT: Limestone
 HN: 5.3 - BT Limestone removed.

Chance
 BT: Probability
 RT: Random numbers
 HN: 5.3 - BT Mathematical concepts removed, BT Probability added.

Characters (Drama)

UF: Cast lists

Character stereotypes

Dramatis personae

Stock characters

BT: Drama

RT: Acting

Characters (Rhetorical device)

HN: 5.0 - Previously Characters

(Performing arts). BT Performing arts removed, Drama added.

Chemical bonds

USE: Bonding (Chemistry)

HN: 5.3 - BT Molecules removed, USE

Bonding (Chemicals) added.

Chemical energy

BT: Potential energy

NT: Fuel

RT: Batteries

Nutrition

HN: 5.3 - BT Chemistry and Energy

removed, BT Stored energy added.

Chemical formulas

UF: Chemical formulae

Molecular formulas

BT: Molecular structure

HN: 5.3 - BT Chemistry removed, BT

Molecular structure added.

Chemical properties

USE: Properties of matter

HN: 5.3 - USE Matter removed, USE

Properties of matter added.

Chemical reactions

UF: Chemical changes

BT: Matter

NT: Acidification

Bonding (Chemistry)

Calcification

Chemical equations

Decomposition (Compounds)

Endothermic reactions

Exothermic reactions

Fermentation

Hydrolysis

Neutralisation

Photochemical reactions

Polymerisation

Reaction rates

Redox reactions

HN: 5.3 - BT Physical processes removed.

Chemistry

USE: Matter

HN: 5.3 - BT Science removed, USE Matter added.

Chemosynthesis

BT: Plant metabolism

HN: 5.3 - BT Plant physiology removed, BT Plant metabolism added.

Childbirth

USE: Animal reproduction

HN: 5.3 - USE Birth removed, USE Animal reproduction added.

Chilopoda

USE: Centipedes

HN: 5.3 - BT Insects removed, USE Centipedes added.

Chlorine

BT: Chemical elements

HN: 5.3 - BT Gases removed

Chlorofluorocarbons

UF: CFCs

BT: Haloalkanes

RT: Ozone layer

HN: 5.3 - BT Gases removed, BT Haloalkanes added.

Chlorophyll

BT: Pigments

RT: Photosynthesis

HN: 5.0 - BT Pigments (Biochemicals) added. 5.3 - BT Pigments (Biochemicals) removed, BT Pigments added.

Chords (Lines)

BT: Circles

HN: 5.3 - BT Lines removed, BT Circles added.

Christmas

BT: Religious festivals

RT: Christianity

Christmas cards

Christmas decorations

Christmas music

HN: 5.3 - BT Holidays removed, BT Religious festivals added.

Chromatography

BT: Separation (Mixtures)

HN: 5.3 - BT Analytical chemistry removed, BT Separation (Mixtures) added.

Cicadas

BT: Hemiptera

HN: 5.2; 5.3 - BT Homoptera removed, BT Hemiptera added.

Circular income flow

UF: Circular flow model

BT: Income
SN: Use for resources about the economic model that shows the flows of income around the economy, between households, businesses, government, the finance market and the overseas sector.

HN: 5.3 - BT Economic models removed, BT Income added.

Circulatory system

UF: Cardiovascular system

BT: Structure and function (Animals)

NT: Blood

Blood pressure

Blood vessels

RT: Heart

HN: 5.3 - BT Physiology removed, BT Structure and function (Animals) added.

Circumference

BT: Circles

HN: 5.3 - Changed to singular form. BT Length removed, BT Circles added.

Cities

UF: Metropolises

BT: Population distribution (Demography)

NT: Ancient cities

Capital cities

Central business districts

HN: 5.3 - BT Places removed, BT Population distribution (Demography) added.

Citizenship

BT: Civics

NT: Active citizenship

Global citizenship

RT: Citizens

Civil rights

Nationality

Passports

SN: Use for resources about the status of being a member of a community with the attendant rights, responsibilities and privileges.

HN: 5.0 - BT Status removed.

City states

BT: Countries

HN: 5.3 - BT Cities removed, BT Countries added.

Climate

BT: Weather

NT: Climate change

Microclimates

RT: Biomes

Climographs

Seasons

HN: 5.3 - BT Environment removed, BT Weather added.

Clocks

UF: Horology

Watches

BT: Measuring instruments

NT: Analogue clocks

Atomic clocks

Digital clocks

Stopwatches

RT: Time

HN: 5.3 - BT Time removed, BT Measuring instruments added.

Cloud cover

USE: Clouds

HN: 5.3 - BT Clouds removed, USE Clouds added.

Coal

BT: Fossil fuels

NT: Anthracite

Bituminous coal

Coalification

Lignite

RT: Peat

HN: 5.3 - BT Hydrocarbons removed.

Coastal management

BT: Environmental management

RT: Coasts

Marine protected areas

HN: 5.3 - BT Coasts removed.

Cockroaches

UF: Blattodea

BT: Insects

RT: Pests

HN: 5.3 - BT Blattodea removed, BT Insects added.

Cocoons

UF: Chrysalises

Pupal cases

BT: Metamorphosis

RT: Larvae

HN: 5.3 - BT Habitats removed, BT Metamorphosis added.

Coefficients

BT: Multiplication

HN: 5.3 - BT Mathematical concepts removed, BT Multiplication added.

Cold blooded animals

UF: Exotherms

Poikilotherms

BT: Body temperature

RT: Reptiles

HN: 5.3 - BT Animals removed, BT Body temperature added.

Colloids

UF: Suspensions

BT: Mixtures

NT: Aerosols

Emulsions

Gels

Liquid sols

Solid foams

Solid sols

HN: 5.3 - BT Mixtures added, BT Particles removed and BT Solutions removed.

Colonialism

USE: Colonisation

HN: 5.3 - BT Imperialisms removed, USE Colonisation added.

Colonisation

UF: Annexation

Colonialism

BT: Imperialism

RT: Colonies

Invasion

HN: 5.0 - BT Imperialism added.

Colour (Visual arts)

UF: Chromatics

Tint

Value (Colour)

BT: Visual arts elements

NT: Primary colours

Secondary colours

Tertiary colours

Tone (Visual arts)

RT: Artificial colours

Colour (Light)

Colour wheels

Dyes

HN: 5.3 - BT Aesthetics and Light removed, BT Visual arts elements added. Qualifier added.

Combustion

BT: Redox reactions

NT: Ignition

RT: Fires

Fossil fuels

Fuel

Internal combustion engines

HN: 5.3 - BT Exothermic reactions removed, BT Redox reactions added.

Comets

BT: Universe

HN: 5.3 - BT Solar system removed, BT Universe added.

Companies

UF: Businesses

BT: Business and enterprise

NT: Financial institutions

Incorporated associations

Large scale enterprises

Limited companies

Multinational companies

Not for profit organisations

Public companies

Small medium enterprises

Unincorporated associations

RT: Articles of association

Business

Prospectuses

Shareholders

HN: 5.3 - BT Organisations removed, Business and enterprise added.

Compounds

USE: Chemical compounds

HN: 5.3 - BT Chemistry removed, USE Chemical compounds added.

Computer aided design

USE: Computer graphics

HN: 5.3 - BT Computer graphics removed, USE Computer graphics added.

Computer files

BT: Information storage

NT: Computer programs

Image files

Sound files

Text files

HN: 5.3 - BT Multimedia and BT Nonprint media removed, BT Information storage added.

Computer graphics

UF: Computer aided design

BT: Nonprint media

RT: Clip art

Computer generated animation

Design

Graphic arts

HN: 5.0 - BT Nonprint media added.

Computer simulations

UF: Computer models

BT: Computer programs

HN: 5.3 - BT Computer sciences and Simulation removed, BT Computer programs added.

Concentration (Mixtures)

BT: Mixtures

NT: Dilution

Molality

Molarity

Saturation

Supersaturation

RT: Reaction rates
 Titration
 HN: 5.3 - BT Solutions removed, BT Mixtures added, qualifier changed from (Chemistry) to (Mixtures).

Concrete
 UF: Reinforced concrete
 BT: Cement
 RT: Masonry
 HN: 5.3 - BT Masonry removed, RT Masonry added, BT Building materials removed, BT Cement added.

Concurrent lines
 BT: Intersecting lines
 RT: Points
 HN: 5.3 - BT Lines removed, BT Intersecting lines added.

Condensation
 BT: Phase transformations
 RT: Distillation
 Water cycle
 HN: 5.0 - BT Water cycle removed, Physical processes added, RT Water cycle added. 5.3 - BT Phase transformations added, Physical processes removed.

Conduction
 USE: Heat conduction
 HN: 5.3 - BT Thermodynamics removed, USE Heat conduction added.

Cones (Eyes)
 BT: Retina
 HN: 5.3 - BT Photoreceptors removed, BT Retina added.

Congruence
 BT: Geometry
 NT: Symmetry
 HN: 5.3 - BT Geometric concepts removed, BT Geometry added.

Conics
 BT: Shapes (Geometry)
 NT: Conic sections
 HN: 5.0 - BT Mathematics removed, Geometry added. 5.3 - BT Geometry removed, BT Shapes added.

Conifers
 BT: Plants
 NT: Pine trees
 HN: 5.3 - BT Evergreen trees removed, BT Plants added.

Conservation
 UF: Environmental conservation

Nature conservation
 BT: Environmental preservation
 NT: Forest conservation
 Soil conservation
 Water conservation
 Wildlife conservation
 RT: Natural heritage
 Natural resources
 SN: Use for resources about the conservation of environmental resources or areas through the control of human activities and management of natural resources. For resources about the preservation of environmental resources or areas through the restriction or banning of human activities and/or the creation of 'no-go' areas, use Environmental preservation.
 HN: 5.3 - BT Environmental protection removed, BT Environmental preservation added.

Conservation of energy
 BT: Energy conversion
 NT: Energy efficiency
 HN: 5.3 - USE Thermodynamics removed, BT Energy conversion added.

Constellations
 BT: Celestial spheres
 NT: Zodiac
 HN: 5.3 - USE Stars (Universe) removed, BT Celestial spheres added.

Consumer awareness
 USE: Consumer behaviour
 HN: 5.3 - BT Consumers (Economics) removed, USE Consumer behaviour added.

Consumers (Economics)
 USE: Consumer behaviour
 HN: 5.3 - BT Groups removed, USE Consumer behaviour added.

Continental crust
 BT: Tectonic plates
 HN: 5.3 - Changed from Continental plates to Continental Crust. BT Continents removed, BT Tectonic plates added.

Continental drift
 BT: Plate movement
 HN: 5.3 - BT Tectonics and BT Plate tectonics removed BT Plate movement added.

Continental shelf
 BT: Tectonic plates
 HN: 5.3 - BT Continents removed, BT Tectonic plates added.

Continents

BT: Geographic location
NT: Africa
Antarctica
Asia
Australia
Europe
North America
South America
Supercontinents
HN: 5.0 - BT Earth removed; 5.3 - BT
Geology and BT Places removed, BT
Geographic location added.

Contour lines
BT: Lines
NT: Isobars
RT: Altitude
Contour maps
Topographic maps
HN: 5.3 - BT Cartography removed.

Contraction
USE: Thermal expansion
HN: 5.3 - BT Physical processes removed,
USE Thermal expansion added.

Controlled experiments
USE: Experiments
HN: 5.3 - BT Experiments removed, USE
Experiments added.

Convection
BT: Heat flow
NT: Convection currents
RT: Gases
Liquids
HN: 5.3 - BT Thermodynamics removed,
BT Heat flow added.

Cooling
BT: Heat flow
NT: Coolants
RT: Environmental engineering
Evaporation
Fans
Heat absorption
Heating
HN: 5.3 - BT Thermodynamics removed,
BT Heat flow added.

Cooperatives
USE: Collective ownership
HN: 5.3 - BT Organisations removed, USE
Collective ownership added.

Coordinates
BT: Geometry
NT: Axes
HN: 5.3 - BT Coordinate geometry
removed, BT Geometry added.

Core
BT: Earth structure
NT: Inner core
Outer core
HN: 5.3 - Geology removed, BT Earth
structure added.

Coriolis force
USE: Coriolis effect
HN: 5.3 - Force changed to lower case. BT
Earth rotation removed, USE Coriolis effect
added.

Correspondents
USE: Journalists
HN: 5.3 - USE Reporters removed, USE
Journalists added.

Corrosion
UF: Rust
BT: Redox reactions
RT: Metals
Weathering
HN: 5.3 - BT Chemical reactions removed,
BT Redox reactions added.

Cosmogony
USE: Universe formation
HN: 5.3 - USE Universe removed, USE
Universe formation added.

Councils of Elders
BT: Aboriginal law
HN: 5.3 - BT Aboriginal organisations
removed, BT Aboriginal law added.

Countries
BT: Political independence
NT: City states
States and territories
HN: 5.3 - BT Places removed, BT Political
independence added.

Crayons
UF: Pastels
BT: Artists' materials
Drawing materials
RT: Crayon drawing
HN: 5.3 - BT Artists' tools removed.

Creation
UF: Creationism
BT: Universe formation
RT: Creation myths
HN: 5.3 - BT Universe removed, BT
Universe formation added.

Creationism
USE: Creation

HN: 5.3 - BT Religion removed, USE
Creation added.

Cropdusting

BT: Farming systems

HN: 5.3 - BT Pest control removed, BT
Farming systems added.

Cross sections

BT: Planes

HN: 5.3 - BT Plane geometry removed, BT
Planes added.

Crust of the Earth

USE: Earth's crust

HN: 5.3 - USE Lithosphere removed, USE
Earth's surface added.

Crustaceans

UF: Shellfish

BT: Arthropods

NT: Crabs

Krill

Prawns

Shrimps

Slaters

Yabbies

RT: Antennae

HN: 5.3 - BT Invertebrates removed, BT
Arthropods added.

Crystallisation

BT: Nucleation

Separation (Mixtures)

RT: Crystals

Evaporation

HN: 5.3 - BT Analytical chemistry removed,
BT Separation (Mixtures) added.

Cubism

BT: Arts movements

NT: Cubist art

HN: 5.3 - BT Visual arts removed, BT Arts
movements added.

Cubist architecture

HN: 5.3 - Deleted.

Cubist art

USE: Cubism

HN: 5.3 - BT Cubism and BT Modernist art
removed, USE Cubism added.

Cultural festivals

USE: Festivals

HN: 5.3 - USE Special weeks removed,
USE Festivals added.

Current affairs

BT: Broadcast journalism

HN: 5.3 - Changed from Current affairs
programs to Current affairs. BT News media,
BT Radio programs and BT Television
programs removed, BT Broadcast journalism
added.

Curves

UF: Curved lines

BT: Lines

NT: Camber

Closed curves

Ellipses

Hyperbolas

Ovals

Parabolas

HN: 5.3 - BT Geometry removed, BT Lines
added.

Cyclone warnings

BT: Emergency services

RT: Tropical cyclones

Weather radar

Weather satellites

HN: 5.3 - BT Tropical cyclones removed,
BT Emergency services added.

Data collection

BT: Scientific method

NT: Case studies

Evidence

Focus groups

Interviews

Literature reviews

Observation

Questionnaires

Sampling

Simulation

Surveying

RT: Market research

HN: 5.3 - BT Data analysis removed, BT
Research added.

Day

BT: Time units

RT: Sunrises

Sunsets

SN: Use for resources on days as a
description of time.

HN: 5.3 - BT Time removed, BT Time units
added. Scope note edited due to removal of
term Days.

Daylight saving

BT: Time zones

HN: 5.3 - BT Time removed, BT Time
zones added.

Daytime

USE: Sunlight

HN: 5.3 - USE Day removed, USE Sunlight added.

Deafness

UF: Hearing loss

BT: Hearing impairment

RT: Ear diseases

HN: 5.2; 5.3 - BT Disabilities removed, BT Hearing defects added.

Death

UF: Dying

BT: Life expectancy

NT: Euthanasia

Suicide

RT: Afterlife

Burials

Death rate

Reincarnation

HN: 5.3 - BT Life cycles removed, BT Life expectancy added.

Decanting

BT: Separation (Mixtures)

HN: 5.3 - BT Analytical chemistry removed, BT Separation (Mixtures) added.

Deceleration

USE: Acceleration

HN: 5.3 - BT Motion removed, USE Acceleration added.

Decibel scale

HN: 5.3 - Delete.

Deciduous plants

UF: Deciduous trees

BT: Abscission

RT: Autumn

HN: 5.3 - BT Plants removed, BT Abscission added.

Deciduous trees

USE: Deciduous plants

HN: 5.3 - BT Trees removed, USE Deciduous pants added.

Decomposers

USE: Decomposition (Living things)

HN: 5.3 - BT Food webs removed, USE Decomposition (Living things) added.

Decomposition (Living things)

UF: Decomposers

BT: Food chains

RT: Biodegradation

Organic matter

HN: 5.3 - Qualifier changed from Microbiology to Living things). BT

Microbiology removed, BT Food chains added.

Deer

BT: Ruminants

HN: 5.3 - BT Placentals removed, BT Ruminants added.

Defence mechanisms of animals

USE: Predation

HN: 5.3 - USE Animal defences removed, USE Predation added.

Dendrochronology

USE: Tree rings

HN: 5.3 - BT Archaeological dating removed, USE Tree rings added.

Density

UF: Specific gravity

BT: Properties of matter

NT: Buoyancy

RT: Density units

Mass

HN: 5.0 - BT Gravity removed, Matter added. RT Gravity added. 5.3 - BT Matter removed, BT Properties of matter added.

Deposition (Sediment)

USE: Sedimentation

HN: 5.3 - Qualifier added.

Depth

BT: Length

RT: Fathoms

HN: 5.3 - BT Measurement removed, BT Length added.

Depth perception

BT: Space perception

HN: 5.3 - BT Vision removed.

Desertification

BT: Land degradation

HN: 5.3 - BT Desert ecology removed, BT Land degradation added.

Developed countries

BT: Economic growth

HN: 5.0 - BT Development removed, Countries added; 5.3 - BT Countries removed, BT Economic growth added.

Developing countries

UF: Majority world

Third world

Underdevelopment

BT: Economic growth

RT: International aid

HN: 5.0 - BT Development removed, BT Countries added; 5.3 - BT Countries removed, BT Economic growth added.

Diagenesis

USE: Sedimentation

HN: 5.0 - BT Change removed, BT Geomorphology added; 5.3 - BT Geomorphology removed, USE Sedimentation added.

Diagrams

BT: Data representation

Factual texts

NT: Arrow diagrams

Network diagrams

Tree diagrams

HN: 5.3 - BT Drawing removed.

Dialysis

BT: Filtration

HN: 5.3 - BT Chemical analysis removed, BT Filtration added.

Diesel

BT: Petroleum products

RT: Diesel trains

HN: 5.3 - BT Petroleum products added, BT Fuel removed.

Diffusion

BT: Kinetic energy

NT: Osmosis

RT: Gases

Liquids

Solutions

HN: 5.0 - BT Molecular forces removed, Physical processes added. 5.3 - BT Physical processes removed, BT Kinetic energy added.

Digestion

UF: Digestive system

BT: Structure and function (Animals)

NT: Oesophagus

Rumination (Digestion)

RT: Digestive organs

Proboscises

HN: 5.3 - BT Physiology removed, BT Structure and function (Animals) added. Changed from Digestive system to Digestion.

Digestive system

USE: Digestion

HN: 5.3 - Changed from Digestion to Digestive system.

Dilution

BT: Concentration (Mixtures)

HN: 5.3 - BT Solutions removed, BT Concentration (Chemistry) added.

Dinosaurs

BT: Reptiles

HN: 5.3 - BT Extinct animals removed, BT Reptiles added.

Diplopoda

USE: Millipedes

HN: 5.3 - BT Insects removed, USE Millipedes added.

Direction (Geometry)

BT: Geometry

RT: Bearings (Direction)

Vectors

HN: 5.3 - Changed from Direction (Mathematical concepts) to Direction (Geometry). BT Mathematical concepts removed, BT Geometry added.

Disabilities

BT: Health

NT: Hearing impairment

Visual impairment

RT: Disability discrimination

Disabled

HN: 5.3 - BT Physical characteristics removed, BT Health added.

Disaster relief

UF: Civil defence

Emergency relief

BT: Disasters

NT: Air raid shelters

Emergency housing

Evacuation

RT: Emergency services

Food availability

HN: 5.3 - BT Social welfare removed.

Disguise

BT: Costume

RT: Theatrical make up

HN: 5.3 - BT Theatre (Arts) removed, BT Costume added.

Distance

BT: Dimensions

RT: Distance time graph

Geographic location

HN: 5.3 - Changed to singular form. BT Measurement and Physical geography removed, BT Dimensions added.

Distillation

BT: Separation (Mixtures)

RT: Condensation

Evaporation

HN: 5.0 - BT Chemical analysis removed, Physical processes added. 5.3 - BT Physical

processes and Chemical reactions removed,
BT Separation (Mixtures) added.

Distribution networks

BT: Transport networks

RT: Distribution

Vehicles

SN: Use for resources about the networks (road, rail, air, water) used for the distribution of goods. For resources about the networks used for transport generally use Transport networks.

HN: 5.3 - BT Distribution removed, RT Distribution added.

Diurnalism

BT: Animal behaviour

RT: Sunlight

HN: 5.3 - BT Day removed, BT Animal behaviour added. Changed from Diurnal to Diurnalism.

Divarication

BT: Leaves

RT: Plant defences

HN: 5.3 - Changed from Divaricating plants to Divarication. BT Plants removed, BT Leaves added.

Dividends

BT: Investment

RT: Securities

Shares

HN: 5.3 - Qualifier removed.

Divisors

USE: Factors

HN: 5.3 - BT Division removed, USE Factors added.

DNA

UF: Deoxyribonucleic acid

BT: Nucleic acids

RT: Genes

HN: 5.3 - BT Nucleic acids added, BT Cells removed.

Documentaries

UF: Documentary programs

BT: Genres

RT: Documentary films

Documentary photography

Radio documentaries

Television documentaries

HN: 5.3 - BT Films, BT Mass media and BT Television removed, BT Genres added.

Documentary films

BT: Films

RT: Documentaries

Documentary drama

Documentary photography

Television documentaries

HN: 5.3 - BT Documentaries removed, BT Films added.

Dolomite

BT: Sedimentary rocks

HN: 5.3 - BT Carbonate rocks removed, BT Sedimentary rocks added.

Dominant genes

USE: Genetic dominance

HN: 5.3 - BT Genes removed, USE Genetic dominance added.

Double glazing

USE: Window glazing

HN: 5.3 - BT Window glazing and Insulation removed, USE Window glazing added.

Drag

UF: Air resistance

BT: Fluid flow

HN: 5.3 - BT Forces removed, BT Fluid dynamics added.

Drainage

UF: Storm drains

BT: Stormwater

RT: Irrigation

HN: 5.3 - BT Water supply removed, BT Stormwater added.

Drainage basins

USE: Catchment management

HN: 5.3 - BT Drainage removed, USE Catchment management added.

Drama scripts

UF: Acting edition

Play scripts

BT: Scripts

Scriptwriting

NT: Stage directions

RT: Dramatists

HN: 5.3 - BT Drama added.

Durability

BT: Properties of matter

HN: 5.3 - BT Mechanics removed, BT Properties of matter added.

DVDs

UF: Digital versatile discs

DVD Audio

DVD ROM

DVD Video

BT: Optical discs

Video recordings
 HN: 5.3 - BT Multimedia removed.

Dyeing
 BT: Textile crafts
 NT: Batik
 Tie dyeing
 HN: 5.3 - Made preferred term. BT Textile crafts added.

Dynamics (Forces)
 USE: Forces and energy
 HN: 5.3 - Scope note removed. Changed from Dynamics (Mechanics) to Dynamics (Forces). BT Mechanics removed, USE Force and energy added.

E books
 UF: Electronic books
 BT: Electronic publishing
 HN: 5.3 - BT Electronic publications removed, BT Electronic publishing added.

E journals
 UF: Electronic journals
 BT: Electronic publishing
 HN: 5.3 - BT Electronic publications removed, BT Electronic publishing added.

Eagles
 BT: Birds
 RT: Birds of prey
 HN: 5.3 - Changed from Wedge tailed eagles to Eagles.

Earth
 UF: Geography
 World
 BT: Planets
 RT: Moon phases
 SN: Use for resources discussing the whole planet. For resources limited to the structure and composition of the Earth use Earth structure.
 HN: 5.3 - Scope note edited.

Earth and space
 BT: Science
 NT: Atmosphere
 Earth structure
 Environment
 Geographic location
 Universe
 Weather
 HN: 5.3 - Changed from Earth science to Earth and space.

Earth movements
 UF: Geology
 Physical geography

Plate tectonics
 Tectonics
 BT: Mantle
 NT: Earthquakes
 Glaciation
 Landslides
 Sedimentation
 Seismic waves
 RT: Natural disasters
 HN: 5.0 - BT Earth removed; 5.3 - BT Geomorphology and BT Geophysics removed, BT Mantle added.

Earth rotation
 BT: Orbits
 NT: Coriolis effect
 Sunrises
 Sunsets
 RT: Rotational motion
 HN: 5.0 - BT Earth removed, Rotational motion added; 5.3 - BT Rotational motion removed, BT Orbits added.

Earth wires
 BT: Electric conductors
 RT: Safety
 HN: 5.3 - BT Electric wires removed, BT Electric conductors added.

Earth's crust
 UF: Crust of the Earth
 Hydrosphere
 Lithosphere
 Physical environment
 Topography
 BT: Earth structure
 NT: Landforms
 Oceans
 Rocks
 RT: Environmental management
 HN: 5.3

Easter
 BT: Religious festivals
 RT: Christianity
 Easter music
 HN: 5.3 - BT Holidays removed, BT Religious festivals added.

Eating
 USE: Ingestion
 HN: 5.3 - BT Digestive system removed, USE Ingestion added.

Echolocation
 BT: Senses
 RT: Acoustic tracks
 Echo
 Hearing
 Sonar

HN: 5.3 - BT Echo removed, BT Senses added.

Eclipses

BT: Planetary conjunctions

NT: Lunar eclipses

Solar eclipses

RT: Atmospheric light

HN: 5.3 - BT Astronomy removed, BT Planetary conjunctions added.

Ecology

USE: Ecosystems

HN: 5.3 - BT Biology removed, USE Ecosystems added. Scope note removed.

Economies of scale

UF: Economics of scale

BT: Average cost

RT: Production (Economics)

HN: 5.3 - BT Economic models removed, BT Average cost added.

Ecosystems

UF: Ecology

BT: Life

NT: Biodiversity

Biogeochemical cycles

Bioindicators

Biomes

Ecological niches

Ecological succession

Food webs

Habitats

Indigenous species

Land degradation

Populations (Ecology)

Symbiosis

RT: Environment

SN: Use for resources on communities of living organisms interacting with each other and with their environment, including the processes that take place.

HN: 5.0 - BT Systems removed, BT Life added. Scope note edited.

Ectoparasites

USE: Ectoparasitism

HN: 5.3 - BT Parasites removed, USE Ectoparasitism added.

Eels

BT: Bony fishes

HN: 5.3 - BT Fish removed, BT Bony fishes added.

Egg cases

UF: Oothecae

BT: Eggs

HN: 5.2; 5.3 - BT Habitats removed, BT Eggs added.

Eisteddfods

BT: Festivals

NT: Rock eisteddfods

HN: 5.3 - BT Performances (Arts) removed.

El Nino

BT: El Nino Southern Oscillation

HN: 5.3 - BT Climate removed, BT El Nino Southern Oscillation added.

El Nino Southern Oscillation

UF: ENSO

BT: Ocean currents

NT: El Nino

La Nina

RT: Weather

HN: 5.3 - 5.3 - Changed from El Nino to El Nino Southern Oscillation. BT Climate removed, BT Ocean currents added.

Electric charge

BT: Electricity

RT: Coulombs

HN: 5.3 - BT Electric power removed, BT Electricity added.

Electric resistance

UF: Electrical resistance

Resistance (Electricity)

BT: Electric currents

RT: Ohms

Resistors

HN: 5.3 - BT Electricity removed, BT Electric currents added.

Electrical engineering

USE: Electronics

HN: 5.3 - BT Engineering removed, USE Electronics added.

Electricity

UF: Electrical energy

BT: Electromagnetism

NT: Electric charge

Electric conductors

Electric currents

Piezoelectricity

Power supply

Static electricity

RT: Electrical insulation

Electronics

Energy resources

Power generation

Watts

HN: 5.3 - BT Kinetic energy removed, BT Electromagnetism added.

Electricity supply
 USE: Power supply
 HN: Changed from Power (Electricity) to Electricity supply.

Electrolysis
 BT: Redox reactions
 NT: Electrodes
 RT: Electrolytes
 HN: 5.3 - BT Electrochemistry removed, BT Redox reactions added.

Electrolytes
 BT: Electrolytic cells
 RT: Electrolysis
 Ions
 HN: 5.3 - BT Electrochemistry removed, BT Chemicals removed, BT Electrolytic cells added.

Electromagnetic radiation
 UF: Electromagnetic energy
 Electromagnetic spectrum
 Radiation
 BT: Electromagnetism
 NT: Cosmic rays
 Gamma rays
 Infrared radiation
 Light
 Microwaves
 Radio waves
 Spectroscopy
 Ultraviolet rays
 X-rays
 HN: 5.3 - BT Electromagnetism added, BT Kinetic energy removed. Changed from Electromagnetic spectrum to Electromagnetic radiation.

Electromagnetic spectrum
 USE: Electromagnetic radiation
 HN: 5.3 - Changed from Electromagnetic radiation to Electromagnetic spectrum.

Electronic engineering
 USE: Electronics
 HN: 5.3 - BT Engineering removed, USE Electronics added.

Electronic publications
 USE: Electronic publishing
 HN: 5.3 - BT Nonprint media removed, USE Electronic publishing added.

Electronics
 UF: Electrical engineering
 Electronic engineering
 BT: Engineering
 NT: Amplifiers
 Capacitors

Diodes
 Electric circuits
 Resistors
 Speakers
 Switches
 Transformers
 Transistors
 RT: Electricity
 HN: 5.3 - BT Electricity removed, BT Engineering added. RT Electricity added. RT Electricity added.

Electrons
 BT: Elementary particles
 HN: 5.3 - BT Elementary particles added, BT Particles removed.

Electroplating
 UF: Electrodeposition
 BT: Coating
 RT: Electrolytic cells
 HN: 5.3 - BT Electrochemistry removed, BT Coating added.

Elementary particles
 UF: Particle physics
 Subatomic particles
 BT: Atoms
 NT: Bosons
 Electrons
 Gluons
 Hadrons
 Leptons
 Neutrinos
 Neutrons
 Photons
 Protons
 Quarks
 HN: 5.3 - made preferred term. BT Atoms added.

Elevation
 BT: Geographic location
 NT: Altitude
 HN: 5.3 - BT Geometric perspective removed, BT Geographic location added.

Embryology
 USE: Embryos
 HN: 5.3 - Made non preferred term.

Emissions
 BT: Air quality
 HN: 5.3 BT Air pollution removed, BT Air quality added.

Employer associations
 BT: Industrial relations
 RT: Employers
 Unions

HN: 5.3 - BT Organisations removed, BT Industrial relations added.

Employment

UF: Labour

Work (Industry)

BT: Business and enterprise

NT: Apprenticeships

Cadetships

Casual employment

Child labour

Contract employment

Equal employment opportunity

Fulltime employment

Manual labour

Migrant labour

Part time employment

Seasonal employment

Self employment

Traineeships

Unpaid employment

RT: Employment agencies

Full employment

Labour force

Labour market

Underemployment

HN: 5.0 - BT Work (Industry) removed, Business and enterprise added. Work (Industry) added as non preferred term.

Employment agencies

BT: Social services

RT: Employment

Job seeking

HN: 5.3 - BT Organisations removed.

Endocrine system

BT: Structure and function (Animals)

RT: Hormones (Animals)

HN: 5.3 - BT Physiology removed, BT Structure and function (Animals) added.

Endoparasites

USE: Endoparasitism

HN: 5.3 - BT Parasites removed, USE Endoparasitism added.

Endothermic reactions

BT: Chemical reactions

HN: 5.3 - BT Chemical energy removed.

Energy

USE: Forces and energy

HN: 5.3 - BT Physics removed, USE Forces and energy added.

Energy conservation

USE: Energy use

HN: 5.3 - BT Energy and BT Conservation removed, USE Energy use added.

Energy conversion

UF: Energy loss

BT: Forces and energy

NT: Conservation of energy

Energy storage

HN: 5.3 - BT Physical processes removed, BT Energy and Forces added, RT Energy transfer and Renewable energy removed.

Energy efficient building design

USE: Building design

Energy use

HN: 5.2; 5.3 - USE Energy conservation removed, USE Energy use added.

Energy flow (Ecosystems)

BT: Food chains

SN: Use for resources on the tracking of energy transfer through food chains.

HN: 5.3 - Changed from Energy trails to Energy flow (Ecosystems). BT Energy transfer removed, BT Food chains added.

Energy loss

USE: Energy conversion

HN: 5.3 - BT Energy removed, USE Energy conversion added.

Energy resources

UF: Energy sources

BT: Forces and energy

NT: Geothermal energy

Hydroelectricity

Nuclear energy

Power stations

Renewable energy

Solar energy

Tidal energy

RT: Electricity

Energy use

Natural resources

Power supply

HN: 5.3 - BT Natural resources removed, BT Energy and Forces added.

Energy storage

BT: Energy conversion

NT: Batteries

Capacitors

RT: Energy use

Potential energy

HN: 5.3 - BT Energy removed, BT Energy conversion added.

Energy use

UF: Energy conservation

Energy consumption

Energy efficient building design

BT: Power supply

RT: Energy resources
Energy storage
HN: 5.3 - BT Energy removed, BT Power supply added.

Environment
USE: Earth's crust
HN: 5.3 - BT Ecology removed, USE Earth's crust added.

Environmental burns
UF: Controlled burns
BT: Fires
HN: 5.3 - BT Bushfires removed, BT Fires added.

Environmental impact statements
USE: Environmental impact assessment
HN: 5.3 - BT Environmental impact assessment removed, USE Environmental impact assessment added.

Environmental management
BT: Social sciences
NT: Coastal management
Environmental impact
Environmental preservation
Land use
Pollution
Rehabilitation (Environment)
Waste management
Weather control
Weed control
RT: Ecological sustainability
Earth's crust
Environmental stewardship
Forestry
Sustainable development
HN: 5.0 - BT Management removed; 5.3 - BT Environment removed, BT Social sciences added.

Environmental preservation
UF: Environmental protection
Preservation of natural resources
BT: Environmental management
NT: Conservation
Landcare programs
Wilderness areas
RT: Environmentalism
SN: Use for resources about the preservation of environmental resources or areas through the restriction or banning of human activities and/or the creation of 'no-go' areas. For resources about the conservation of environmental resources or areas through the management of natural resources and human activities use Conservation.

HN: 5.3 - BT Environmental protection removed, BT Environmental management added.

Environmental protection
USE: Environmental preservation
HN: 5.3 - BT Environment removed, USE Environmental preservation added.

Environmentalism
UF: Conservation movements
Environmental movements
BT: Political movements
RT: Environmental preservation
HN: 5.3 - BT Environmental protection removed, BT Political movements added.

Enzymes
BT: Proteins
RT: Biotechnology
Catalysis
HN: 5.3 - BT Biochemicals removed, BT Proteins added. RT Catalysis added.

Epicentres
BT: Tectonic plates
HN: 5.3 - Changed to plural form. BT Earthquakes removed, BT Tectonic plates added.

Equal addends
HN: 5.3 - Deleted.

Equator
BT: Parallels (Latitude)
HN: 5.3 - BT Earth removed, Parallels added.

Equinoxes
BT: Axial tilt
RT: Seasons
Weather
HN: 5.3 - BT Astronomy removed, BT Axial tilt added.

Erosion
UF: Mass wasting
BT: Weathering
RT: Dust storms
Landslides
Soil formation
HN: 5.3 - BT Geodynamics removed.

Estrogens
USE: Oestrogens
HN: 5.3 - BT Hormones removed, USE Oestrogens added.

Estuaries
BT: Rivers

RT: Mangrove swamps
Oceans
HN: 5.3 - BT Landforms removed, BT Rivers added.

Ethanoic acid
USE: Acetic acid
HN: 5.3 - BT Acid removed, USE Acetic acid added.

Ethnocentrism
USE: Ethnic bias
HN: 5.3 - BT Ethnic bias removed, USE Ethnic bias added.

Eugenics
BT: Population (Sociology)
HN: 5.3 - BT Heredity removed, BT Population (Sociology) added.

Eurocentrism
BT: Ethnic bias
HN: 5.3 - BT Attitudes removed, BT Ethnic bias added.

Evaluation
BT: Scientific method
NT: Data analysis
Hypothesis testing
HN: 5.0 - BT Methods removed, Research methodologies added. 5.3 - Changed from Evaluation methods to Evaluation.

Evaporation
BT: Boiling
RT: Cooling
Crystallisation
Distillation
Transpiration
HN: 5.3 - BT Physical processes and BT Water cycle removed, BT Boiling added.

Evergreen trees
USE: Evergreen plants
HN: 5.3 - BT Trees removed, USE Evergreen plants added.

Evidence
BT: Data collection
HN: 5.3 - BT Court procedures removed, BT Data collection added.

Evolution
BT: Life
NT: Adaptation (Evolution)
Extinction
Natural selection
Speciation
RT: Heredity
Origin of life

HN: 5.0 - BT Science removed.

Excretion
UF: Excretory system
BT: Structure and function (Animals)
RT: Excretory organs
Skin
HN: 5.3 - BT Physiology removed, BT Structure and function (Animals) added.
Changed from Excretory system to Excretion.

Exothermic reactions
BT: Chemical reactions
HN: 5.3 - BT Chemical energy removed.

Experiments
UF: Controlled experiments
Experimental design
Experimentation
Fair testing
BT: Scientific control
NT: Constants
Dependent variables
Experimental aims
Independent variables
HN: 5.0 - BT Science removed, Research methodologies added. 5.3 - BT Research removed, BT Scientific control added.

Exploration
BT: Observation
RT: Explorers
Pioneers
Travel
HN: 5.3 - BT Geography removed, BT Observation added.

Expressionism
BT: Arts movements
NT: Expressionist architecture
Expressionist art
Expressionist music
Expressionist theatre
Luminism
HN: 5.0 - BT Arts removed, Arts movements added.

Extinct animals
USE: Extinct species
HN: 5.3 - BT Animals removed, USE Extinct species added.

Extinct plants
USE: Extinct species
HN: 5.3 - BT Plants removed, USE Extinct species added.

Extinction
BT: Evolution
RT: Extinct species

Habitat loss
HN: 5.3 - BT Existence removed, BT
Evolution added.

Extraterrestrial life
UF: Astrobiology
Extraterrestrial beings
Life on other planets
Space biology
Xenobiology
BT: Living things
HN: 5.2; 5.3 - BT Biology removed, BT
Living things added.

Ezines
BT: Electronic publishing
HN: 5.3 - BT Electronic publications
removed, BT Electronic publishing added.

Factors
UF: Algebraic factors
Divisors
BT: Multiplication
NT: Inverses
Prime factors
RT: Composite numbers
Multiples
HN: 5.3 - Mathematical concepts removed,
BT Multiplication added.

Fair testing
USE: Experiments
HN: 5.3 - USE Controlled experiments
removed, USE Experiments added.

Family relationship
UF: Family life
Kinship
BT: Families
NT: Family stability
Parents
Siblings
Whanaungatanga
RT: Family history
Genealogy
HN: 5.0 - BT Relationships removed,
Families added.

Far side
UF: Dark side
BT: Moon
RT: Atmospheric light
HN: 5.3 - BT Astronomy removed, BT
Moon added.

Faults
UF: Fault lines
Geologic faults
BT: Tectonic plates
NT: Graben

Horsts
Rifts
HN: 5.3 - BT Mountain building and BT
Tectonics removed, BT Tectonic plates added.

Faux paint finishing
BT: Finishing
Industrial painting
RT: Interior decoration
HN: 5.3 - BT Decorative arts removed.

Feature analysis
UF: Semantic feature analysis
BT: Data analysis
SN: Used for the analytic process where a
grid is used to sort out the similarities and
differences among a group of people, objects,
events or ideas.
HN: 5.0 - BT Scientific investigation
removed, Research added. 5.3 - BT Research
removed, BT Data analysis added, scope note
edited.

Feature articles
BT: Media texts
NT: Sports articles
Travel articles
RT: Magazines
HN: 5.3 - BT Newspapers removed.

Females
BT: Gender
HN: 5.3 - BT Humans removed, BT Gender
added.

Feral animals
BT: Domestication
RT: Dingoes
Foxes
HN: 5.3 - BT Animals removed, BT
Domestication added.

Fermium
BT: Chemical elements
HN: 5.3 - Changes from Ferrium to
Fermium.

Fertilisers
UF: Agricultural chemicals
BT: Horticulture
NT: Artificial fertilisers
Compost
Nitrogen fertilisers
Organic fertilisers
RT: Biological control
Plant nutrition
Soil fertility
HN: 5.3 - BT Agricultural chemicals
removed, BT Horticulture added.

Fibre optics
 BT: Engineering
 RT: Endoscopes
 Optical fibres
 HN: 5.3 - BT Optics removed, BT Engineering added. RT Arthroscopes, Bronchoscopes, Gastrosopes removed, RT Endoscopes added.

Filtration
 BT: Separation (Mixtures)
 NT: Dialysis
 Sieving (Filtration)
 HN: 5.3 - BT Analytical chemistry removed, BT Separation (Mixtures) added.

Finches
 BT: Passerines
 HN: 5.3 - BT Birds removed BT Passerines added.

Finger plays
 UF: Finger games
 Finger patterns
 BT: Play
 HN: 5.3 - BT Human movement and BT Fingers removed.

Fire resistant materials
 USE: Fireproofing
 HN: 5.3 - BT materials removed, USE Fireproofing added.

Fire tolerant plants
 USE: Fire tolerance (Plants)
 HN: 5.3 - BT Plants removed, USE Fire tolerance (Plants) added.

Fireproofing materials
 USE: Fireproofing
 HN: 5.3 - BT Fireproofing removed. USE Fireproofing added.

Fires
 BT: Disasters
 NT: Bushfires
 Environmental burns
 RT: Combustion
 HN: 5.3 - RT Combustion added.

Fish
 USE: Fishes
 HN: 5.3 - BT Vertebrates removed, USE Fishes added.

Fishes
 UF: Fish
 BT: Vertebrates
 NT: Bony fishes
 Cartilaginous fishes

RT: Fins
 Fishing
 Gills
 Swim bladder
 HN: 5.2; 5.3 - BT Marine animals removed, BT Vertebrates added.

Fission (Cell division)
 USE: Binary fission
 HN: 5.3 - Qualifier added. BT Asexual reproduction removed, USE Binary fission added.

Flash point
 UF: Flashpoint
 BT: Properties of matter
 RT: Ignition
 HN: 5.3 - BT Properties of matter added, BT Temperature removed.

Fledglings
 BT: Baby animals
 HN: 5.3 - BT Birds removed, BT Baby animals added.

Flight
 UF: Flying
 BT: Fluid flow
 RT: Aeronautics
 SN: Use for resources on the physical mechanics of flight. For resources on the science, technology or art of flight use Aeronautics.
 HN: 5.0 - Modification - NP. 5.3 - USE Aerodynamics removed, BT Fluid flow added. Scope Note added.

Floating
 USE: Buoyancy
 HN: 5.3 - BT Buoyancy removed, USE Buoyancy added.

Floor coverings
 BT: Furnishings
 NT: Carpets
 Linoleum
 Mats
 Rugs
 HN: 5.3 - BT Floors removed.

Flotation (Separation)
 UF: Froth flotation
 BT: Separation (Mixtures)
 HN: 5.3 - BT Analytical chemistry removed, BT Separation (Mixtures) added. Qualifier added.

Flowers
 BT: Plant reproduction
 NT: Buds

RT: Floriculture
 HN: 5.3 - BT Flowering plants removed, BT Plant reproduction added.

Fluid flow
 UF: Hydrodynamics
 BT: Motion
 NT: Drag
 Flight
 Gas flow
 Lift (Aerodynamic)
 Liquid flow
 HN: 5.3 - BT Dynamics (Mechanics) and Fluid mechanics removed, BT Motion added. Changed from Fluid dynamics to Fluid flow.

Fluids
 USE: States of matter
 HN: 5.3 - BT Mechanics removed, USE States of matter added.

Fluorine
 BT: Chemical elements
 RT: Water fluoridation
 HN: 5.3 - BT Gases removed

Flying
 USE: Flight
 HN: 5.3 - USE Aerodynamics removed, USE Flight added.

Focal length
 BT: Lenses
 HN: 5.3 - BT Mirrors removed.

Focus groups
 UF: Questioning techniques
 BT: Data collection
 HN: 5.3 - BT Research removed, BT Data collection added.

Folds
 BT: Tectonic plates
 NT: Antisynclines
 Synclines
 HN: 5.3 - BT Mountain building and BT Tectonics removed, BT Tectonic plates added.

Folk dance
 UF: Folkdance
 BT: Dance genres
 NT: Arabic folk dance
 Asian folk dance
 Australian bush dances
 European folk dance
 Greek folk dance
 Middle Eastern folk dance
 RT: Folk dance music
 Regional dance
 Social dance

Traditional dance
 HN: 5.3 - BT Dance (Arts) removed.

Food products
 BT: Consumer goods
 NT: Bread
 Bush food
 Confectionery
 Dairy products
 Drinks
 Eggs
 Fast food
 Food availability
 Fruit
 Genetically engineered food
 Grain
 Indigenous foods
 Legumes
 Meat
 Nuts
 Organics
 Seafood
 Sugar
 Vegetables
 RT: Food preservation
 Food technology
 Nutrition
 Vitamins
 HN: 5.3 - Food changed to Food products.

Food webs
 BT: Ecosystems
 NT: Food chains
 RT: Scavenging
 SN: Use for resources about networks of consumption. For resources about single consumption chains use Food chains.
 HN: 5.3 - BT Nutrient cycles removed, BT Ecosystems added.

Foreign debt
 BT: Debt
 Foreign investment
 HN: 5.3 - BT International trade removed.

Forest parks
 UF: Urban forests
 BT: Reserves
 RT: National parks
 HN: 5.3 - Scope note removed.

Forests
 BT: Vegetation
 NT: Forest canopies
 Old growth forests
 Rainforests
 Sclerophyll forests
 Taiga
 Temperate forests
 RT: Forest conservation

Forestry
 HN: 5.3 - BT Landforms removed, BT Vegetation added.

Fossil fuels
 BT: Nonrenewable resources
 NT: Coal
 Natural gas
 Peat
 Petroleum
 RT: Combustion
 Fuel
 Greenhouse gases
 Mining
 HN: 5.3 - BT Fuel removed.

Fossils
 UF: Palaeontology
 BT: Natural heritage
 RT: Sedimentary rocks
 HN: 5.3 - BT Palaeontology removed, BT Natural heritage added.

Foxes
 BT: Canines
 RT: Feral animals
 Introduced species
 Small game hunting
 HN: 5.3 - BT Placentals removed.

Fractions
 UF: Common fractions
 Simple fractions
 BT: Proportions
 NT: Decimal fractions
 Denominators
 Eighths
 Equivalent fractions
 Fifths
 Halves
 Improper fractions
 Numerators
 Proper fractions
 Quarters
 Thirds
 RT: Percentages
 Ratios
 HN: 5.3 - BT Arithmetic removed, BT Proportions added.

Frequency (Waves)
 BT: Waves (Energy)
 NT: Doppler effect
 RT: Hertz
 Pitch (Sound)
 HN: 5.3 - BT Physics removed, BT Waves added. Qualifier (Waves) added. RT Musical notes removed.

Friction

UF: Resistance to motion
 Tribology
 BT: Mechanical energy
 NT: Fluid friction
 Lubrication
 Static friction
 RT: Motion
 Thrust
 HN: 5.3 - BT Forces removed, BT Mechanical energy added.

Fruits
 BT: Plant reproduction
 RT: Fruit
 SN: Use for resources on the Botanical investigation of plants or their parts with respect to fruit. For resources on the consumption, harvest, preparation or sale of the edible part of a plant developed from a flower, with any accessory tissues, as the peach, mulberry, banana, etc. use Fruit.
 HN: 5.3 - BT Plant physiology removed, BT Plant reproduction added.

Fuel
 BT: Chemical energy
 RT: Combustion
 Fossil fuels
 Fuel consumption units
 HN: 5.3 - BT Energy resources removed, BT Chemical energy added.

Functions (Mathematics)
 BT: Calculus
 NT: Exponential functions
 Iteration
 Linear functions
 Permutations
 Quadratic functions
 Reciprocal functions
 HN: 5.3 - BT Mathematical formulas removed, BT Calculus added.

Fungi
 UF: Kingdom fungi
 BT: Eukaryotes
 NT: Moulds (Fungi)
 Mushrooms
 Yeasts
 RT: Fungicides
 HN: 5.3 - BT Biology removed, BT Eukaryotes added.added.

Fungicides
 BT: Pesticides
 RT: Fungi
 HN: 5.3 - BT Agricultural chemicals removed, BT Pesticides added.

Furniture

BT: Consumer goods
Furnishings
HN: 5.3 - BT Decorative arts removed.

Future contexts
BT: Contexts
HN: 5.3 - BT Time removed, BT Contexts added. Changed from Future to Future contexts.

Galaxies
UF: Extragalactic nebulae
BT: Universe
NT: Milky Way
HN: 5.3 - BT Universe removed, BT Space (Astronomy) removed.

Gales
USE: Storms
HN: 5.3 - USE Wind storms removed, USE Storms added.

Game theory
BT: Economic theory
HN: 5.3 - BT Mathematics removed, BT Economic theory added.

Gamma emission
USE: Gamma rays
HN: 5.3 - BT Electromagnetic spectrum and Radioactive decay removed, USE Gamma rays added.

Garden design
USE: Landscape gardening
HN: 5.3 - BT Landscape design removed, USE Landscape gardening added.

Gas flow
BT: Fluid flow
HN: 5.2; 5.3 - Changed from Aerodynamics to Gas flow. Scope note removed.

Gases
UF: Vapours
BT: States of matter
NT: Kinetic theory
RT: Chemical elements
Convection
Diffusion
Pneumatics
HN: 5.3 - BT Matter and BT Fluids removed, BT States of matter added.

Gender
UF: Sex
BT: Physical characteristics
NT: Females
Males
RT: Gender equity

Gender identity
HN: 5.3 - BT Representation removed.

Genes
UF: Genetics
BT: Life
NT: Genetic variation
Heredity
RT: DNA
Genetic engineering
RNA
HN: 5.3 - BT Genetics removed, BT Life added.

Genetics
USE: Genes
HN: 5.3 - BT Biology removed, USE Genes added.

Genotype
BT: Heredity
NT: Genetic dominance
SN: Use for resources about the genetic makeup of an organism or a group of organisms.
HN: 5.3 - BT Genetics removed, BT Heredity added.

Geographic location
UF: Location
Places
BT: Earth and space
NT: Continents
Elevation
Latitude
Longitude
Navigation
RT: Cartography
Distance
Geographical information systems
HN: 5.3 - BT Geography removed, BT Earth and space added.

Geography
USE: Earth
HN: 5.0 - BT Social sciences removed; 5.3 - BT Earth and Earth science removed, USE Earth added.

Geological time
BT: History
NT: Eons
Epochs
Eras
Periods (Geology)
HN: 5.3 - BT Time removed, BT History added.

Geology
USE: Earth movements

Earth structure
 HN: 5.3 - BT Earth science removed, USE Earth movements and USE Earth structure added. Scope note removed.

Geometric perspective
 UF: Perspective (Visual arts)
 BT: Visual arts elements
 NT: Side elevation
 Top elevation
 RT: Anamorphic art
 HN: 5.3 - BT Geometry removed.

Germanium
 BT: Chemical elements
 HN: 5.3 - BT Solids (Matter) removed

Gift giving
 BT: Greetings
 HN: 5.3 - BT Social customs removed, BT Greetings added.

Glaciation
 BT: Earth movements
 RT: Glaciers
 Ice ages
 HN: 5.3 - BT Geomorphology removed, BT Earth movements added.

Glaciers
 BT: Landforms
 RT: Glaciation
 Ice
 Icecaps
 HN: 5.3 - BT Ice removed.

Gorges
 USE: Valleys
 HN: 5.3 - BT Landforms removed, USE Valleys added.

Gothic revival art
 USE: Gothic revivalism
 HN: 5.3 - BT Revival art and BT Visual arts removed, USE Gothic revivalism added.

Grammar
 BT: Language
 NT: Case
 Clauses
 Metalanguage
 Morphology
 Orthography
 Paragraphs
 Phrases (Grammar)
 Punctuation
 Sentences
 Syntax
 Transformational grammar
 Voice (Verbs)

Words
 HN: 5.0 - BT Language skills removed, Language added.

Granite
 BT: Plutonic rocks
 HN: 5.3 - BT Igneous rocks removed, BT Plutonic rocks added.

Grasses
 UF: Cereal plants
 BT: Monocots
 RT: Grasslands
 Lawns
 HN: 5.3 - BT Plants removed, BT Monocots added.

Grasslands
 BT: Vegetation
 NT: Savannas
 RT: Grasses
 HN: 5.3 - BT Landforms removed, BT Vegetation added.

Gravimetric analysis
 BT: Mass analysis
 HN: 5.3 - BT Analytical chemistry removed, BT Mass analysis added.

Gravity
 UF: Gravitation
 Gravitational forces
 Pull (Gravity)
 BT: Fundamental forces
 NT: Centre of gravity
 RT: Gravitational potential
 Weightlessness
 HN: 5.3 - BT Forces removed, BT Fundamental forces added.

Grazing
 BT: Animal feeding
 HN: 5.3 - BT Farming systems removed, BT Animal feeding added.

Greenhouse effect
 BT: Atmospheric energy
 RT: Global warming
 HN: 5.3 - BT Pollution removed, BT Atmospheric energy added.

Greenhouse gases
 BT: Air quality
 RT: Carbon dioxide
 Fossil fuels
 Global warming
 Methane
 Nitrous oxide
 HN: 5.3 - BT Greenhouse effect removed, BT Air quality added.

Greenwich Mean Time
 UF: Coordinated Universal Time
 Universal time
 BT: Time zones
 RT: Longitude
 HN: 5.3 - BT Time removed, BT Time zones added.

Gross profit margin
 USE: Gross profit ratio
 HN: 5.3 - BT Gross profit removed, USE
 Gross profit ratio added.

Groundwater
 UF: Groundwater management
 Water table
 BT: Landforms
 NT: Wells
 HN: 5.3 - BT Water removed, BT
 Landforms added.

logy added.

Growth (Animals)
 UF: Animal life cycles
 Physical development
 BT: Structure and function (Animals)
 NT: Age
 Baby animals
 Embryos
 Metamorphosis
 Neoteny
 RT: Growth hormone
 Plant growth
 HN: 5.3 - BT Physiology removed, BT
 Structure and function (Animals) added.
 Qualifier added.

Growth hormone
 BT: Hormones (Animals)
 RT: Growth (Animals)
 SN: Use for resources on hormonally
 stimulated growth and cell reproduction in
 humans and other animals.
 HN: 5.3 - Changed to singular. Scope note
 added.

Gum trees
 UF: Eucalypts
 BT: Dicots
 HN: 5.3 - BT Evergreen trees removed, BT
 Dicots added.

Habitats
 UF: Animal homes
 Shelters
 BT: Ecosystems
 NT: Habitat loss
 Marine habitats

Microhabitats
 RT: Ecological niches
 Sheltering behaviour
 HN: 5.3 - BT Environment removed, BT
 Ecosystems added.

Handicrafts
 UF: Crafts
 Decorative crafts
 BT: Visual arts
 NT: Aboriginal handicrafts
 Aluminium foil craft
 Artificial flowers
 Australian handicrafts
 Basketwork
 Beadwork
 Bread dough craft
 Candlemaking
 Decorations
 Floral arts
 Glass crafts
 Greeting cards
 Jewellery making
 Knots (Handicrafts)
 Leatherwork
 Maori handicrafts
 Mosaics
 Nature craft
 New Zealand handicrafts
 Paper crafts
 Picture frames
 Plastics crafts
 Pokerwork
 Pottery
 Ribbon work
 Rock crafts
 Shell crafts
 String crafts
 Textile crafts
 Torres Strait Islander handicrafts
 Toy making
 Wire crafts
 Woodwork
 RT: Artisans
 Folk art
 Hobbies
 Industrial arts
 Primitivism
 HN: 5.3 - BT Consumer goods removed.

Hard news
 BT: Broadcast journalism
 SN: Use for resources on news and events
 that are reported immediately.
 HN: 5.3 - BT News media removed, BT
 Broadcast journalism added.

Hardness
 UF: Moh's scale
 BT: Properties of matter

HN: 5.3 - BT Matter removed, BT Properties of matter added.

Hazardous chemicals

USE: Hazardous materials

HN: 5.3 - USE Hazardous substances removed, USE Hazardous materials added.

Hazardous materials

UF: Hazardous chemicals

BT: Safety

NT: Poisons

HN: 5.3 - BT Materials removed, BT Safety added.

Headlines

BT: Broadcast journalism

RT: Newspapers

HN: 5.3 - BT News media removed, BT Broadcast journalism added.

Heads of state

UF: Statesmen

BT: Occupations (Work)

NT: Emperors

Empresses

Governors

Kings

Premiers

Presidents

Prime ministers

Princes

Princesses

Queens

Rulers (Heads of state)

RT: Government

Political leaders

HN: 5.0 - BT Statesmen removed, Occupation (Work) added.

Heat

UF: Thermal energy

BT: Forces and energy

NT: Heat flow

Thermal expansion

RT: Kinetic energy

Temperature

HN: 5.3 - RT Combustion, Convection, Heating, Thermometers, Cooling, etc. removed.

Heat absorption

BT: Heat flow

RT: Cooling

HN: 5.3 - BT Thermodynamics removed, BT Heat flow added.

Heat control

USE: Heating

HN: 5.3 - USE Heat engineering removed, USE Heating added.

Heat engineering

USE: Heating

HN: 5.3 - BT Environmental engineering removed, USE Heating added.

Heating

UF: Heat control

Heat engineering

BT: Environmental engineering

NT: Boilers

Furnaces

Kilns

Solar heating

RT: Air conditioning

Cooling

Ventilation

HN: 5.3 - BT Thermodynamics and Heat engineering removed, BT Environmental engineering added.

Hectopascals

BT: Pressure units

RT: Atmospheric pressure

HN: 5.3 - BT Atmospheric pressure removed.

Helium

BT: Chemical elements

HN: 5.3 - BT Gases removed

Hemispheres

BT: Latitude

NT: Northern Hemisphere

Southern Hemisphere

HN: 5.3 - BT Earth removed, BT Latitude added.

Herbicides

USE: Pesticides

HN: 5.3 - BT Chemicals removed, USE Pesticides added.

Herbivores

UF: Plant eating animals

BT: Animal feeding

RT: Insectivores

Primary consumers

HN: 5.3 - BT Animals removed, BT Animal feeding added.

Herds

BT: Social behaviour (Animals)

HN: 5.3 - BT Animal behaviour removed, BT Social behaviour (Animals) added.

Heredity

BT: Genes

NT: Genetic linkage
 Genotype
 RT: Breeding
 Evolution
 HN: 5.3 - BT Genetic removed, Genes added.

Hermaphroditism
 BT: Animal reproduction
 HN: 5.3 - BT Biology removed, Reproductive system added.

Heroes
 BT: Characters (Rhetorical device)
 RT: Heroines
 HN: 5.3 - BT Characters (Drama) removed.

Heroines
 BT: Characters (Rhetorical device)
 RT: Heroes
 HN: 5.3 - BT Characters (Drama) removed.

Heteroptera
 USE: Hemiptera
 HN: 5.3 - BT Insects removed, USE Hemiptera added.

Hibernation
 UF: Animal hibernation
 Torpor
 BT: Animal behaviour
 RT: Pineal gland
 HN: 5.2; 5.3 - BT Animal adaptations removed.

Historic sites
 UF: Heritage sites
 BT: History
 RT: Archaeological sites
 Heritage buildings
 Sacred sites
 HN: 5.3 - BT Places removed, BT History added.

Hobbies
 BT: Recreation
 NT: Collecting
 Models
 RT: Handicrafts
 HN: 5.0 - BT Recreation added.

Holidays
 BT: Festivals
 NT: Public holidays
 RT: Anniversaries
 Recreation
 HN: 5.3 - BT Days removed.

Home businesses
 BT: Small business

RT: Cottage industries
 SN: Use for resources on self-employed persons producing and marketing goods or services in their homes.
 HN: 5.3 - Scope note edited.

Homeostasis
 BT: Metabolism (Animals)
 RT: Adaptation (Evolution)
 HN: 5.3 - BT Physiology removed, BT Metabolism (Animals) added.

Homes
 USE: Housing
 HN: 5.3 - USE Habitats removed.

Homoptera
 USE: Hemiptera
 HN: 5.3 - BT Insects removed, USE Hemiptera added.

Hormones (Animals)
 BT: Structure and function (Animals)
 NT: Growth hormone
 Pheromones
 Steroid hormones
 RT: Endocrine system
 SN: Use for resources about substances used by animals which effect physiological activity such as growth or metabolism. For resources about hormones in plants use Plant hormones.
 HN: 5.3 - BT Biochemicals and BT Physiology removed, BT Structure and function (Animals) added. Qualifier added.

Horology
 USE: Clocks
 HN: 5.3 - USE Time removed, USE Clocks added.

Horse drawn vehicles
 UF: Coaches (Vehicles)
 BT: Land transport
 RT: Working animals
 HN: 4.6

Hospitality industry
 BT: Service industry
 NT: Food service
 Hotels
 HN: 5.3 - BT Industries removed, BT Service industry added.

Hot
 HN: 5.3

Human anatomy
 USE: Structure and function (Animals)
 HN: 5.3 - USE Anatomy removed, USE Structure and function (Animals) added.

Human ecology
USE: Demography
SN: Use for resources about the ways in which people interact and interrelate with the environment, including relationships with particular locations; can be physical, emotional or spiritual.
HN: 5.0 - BT Ecology and RT Demography added; 5.3 - BT Ecology removed, USE Demography added.

Human geography
USE: Demography
HN: 5.3 - BT Geography removed, USE Demography added.

Human movement
UF: Body activity
Kinaesthetics
Kinesiology
Kinesthetics
Postures (Acting)
BT: Human behaviour
NT: Creative movement
Dancing
Exercise
Gestures
RT: Dance elements
Sports
HN: 5.1; 5.3 - BT Movement (Physiology) removed, BT Human behaviour added.

Humans
UF: Homo sapiens
BT: Primates
NT: Race
RT: Body regions
HN: 5.3 - BT Placentals removed, BT Primates added.

Humification
USE: Humus
HN: 5.3 - BT Soil formation removed, USE Humus added.

Humus
UF: Humification
BT: Organic matter
RT: Compost
HN: 5.3 - BT Soil types removed, BT Organic matter added.

Hunger
UF: Appetite
BT: Motivation
RT: Famines
HN: 5.3 - BT Digestion removed, BT Motivation added.

Hybrid media
UF: Media convergence
New media
BT: Media
NT: Internet radio
Internet television
RT: Internet
HN: 5.3 - BT Media convergence, BT Nonprint media and BT Print media removed, BT Media added.

Hydraulic engineering
USE: Hydraulics
HN: 5.3 - BT Hydraulics removed, USE Hydraulics added.

Hydraulics
UF: Hydraulic engineering
BT: Engineering
NT: Hydraulic measurements
Irrigation
Pipelines
RT: Liquid flow
Pistons
Water supply
SN: Use for resources on the practical application of hydrodynamics. For resources on the theory of force and movement of fluids use Liquid flow.
HN: 5.3 - Scope note changed to reflect change to Hydrodynamics to Liquid flow as preferred term.

Hydrochlorofluorocarbons
UF: HCFCs
BT: Haloalkanes
HN: 5.3 - BT Gases removed, BT Haloalkanes added.

Hydrodynamics
USE: Fluid flow
HN: 5.3 - BT Fluid mechanics and Fluid dynamics removed, USE Liquid flow added. Scope note removed.

Hydrofluorocarbons
UF: HFCs
BT: Haloalkanes
HN: 5.3 - BT Gases removed, BT Haloalkanes added.

Hydrogen
BT: Chemical elements
NT: Deuterium
Tritium
HN: 5.3 - BT Gases removed

Hydrosphere
USE: Earth's crust

HN: 5.3 - BT Biosphere removed, USE Earth's surface added.

Hypotenuse

BT: Right angled triangles

HN: 5.3 - BT Length removed, BT Right angled triangles added.

Illustration

UF: Pictures

BT: Visual arts

NT: Book illumination

Caricatures

Drawing

Manuscript illumination

Painting

RT: Design

Graphic arts

Illustrators

HN: 5.3 - Changed to singular form.

Images (Optics)

BT: Light

NT: Magnification

HN: 5.3 - BT Optics removed, BT Light added. Qualifier added.

Immune system

BT: Structure and function (Animals)

RT: Allergies

HIV

Throat

HN: 5.3 - BT Physiology removed, BT Structure and function (Animals) added.

Immunity

UF: Immunology

BT: Pathology

RT: Antibiotics

Communicable diseases

Vaccination

HN: 5.3 - BT Bacteriology removed.

Imperfect markets

USE: Market failure

SN: Use for resources about markets which are characterised by imbalances between supply and demand and/or a lack of communication of pricing information between buyers and sellers. For resources about markets which have balanced supply and demand use Perfect markets.

HN: 5.3 - BT Markets removed, USE Market failure added.

Imperial measurement

BT: Systems of measurement

HN: 4.6; 5.3 - Measurement removed, Systems of measurement added.

Independent variables

UF: Predictors

Regressors

BT: Experiments

HN: 5.3

Indicator chemicals

BT: Chemical analysis

NT: pH indicators

HN: 5.3 - BT Analytical chemistry removed, BT Chemical analysis added.

Industrial arts

UF: Industrial crafts

Manual arts

BT: Technology

NT: Cabinetmaking

Carpentry

Machine shop practice

Masonry

Materials

Metalwork

Woodwork

RT: Handicrafts

Manual labour

SN: Use for resources that aim at developing manual skills and familiarity with tools, machinery and industrial processes.

HN: 5.0 - BT Industry removed.

Industry training boards

UF: ITABs

BT: Organisations

RT: Training

Vocational education

HN: 5.3 - Made non-preferred term for Registered Training Organisations.

Inequality (Mathematics)

USE: Inequations

HN: 5.3 - BT Mathematical concepts removed, USE Inequations added.

Inequations

UF: Inequality (Mathematics)

BT: Equations

HN: 5.3 - BT Algebra removed, BT Equations added.

Influenza

UF: Flu

BT: Viral infections

RT: Colds (Disease)

HN: 5.3 - BT Viruses removed.

Information sciences

BT: Technology

NT: Data

Information skills

RT: Information management

HN: 5.0 - BT Social sciences removed; 5.3 - BT Communication (Sociology) removed, BT Technology added.

Infrared radiation

UF: Infra-red radiation

BT: Electromagnetic radiation

HN: 5.3 - Changed from Infrared rays to Infrared radiation. BT Light rays removed, BT Electromagnetic spectrum added.

Insectivores

BT: Animal feeding

RT: Carnivores

Herbivores

SN: Use for resources on animals that eat mainly insects

HN: 5.3 - BT Animals removed, BT Animal feeding added.

Insects

BT: Arthropods

NT: Bristletails

Cockroaches

Coleoptera

Diptera

Fleas

Hemiptera

Hymenoptera

Lepidoptera

Odonata

Orthoptera

Termites

White ants

RT: Antennae

Compound eyes

Nymphs

Pheromones

Proboscises

HN: 5.3 - BT Invertebrates removed, BT Arthropods added.

Insolation

USE: Solar energy

HN: 5.2; 5.3 - USE Solar radiation removed, USE Solar energy added.

Integumentary system

BT: Structure and function (Animals)

NT: Fur

Hair

Nails

Plumage

Skin

HN: 5.3 - BT Physiology removed, BT Structure and function (Animals) added.

Intellectual property

BT: Ownership

NT: Copyright

Patents

HN: 5.3 - Changed from Intellectual property rights to Intellectual property.

Intelligence organisations

BT: National security

HN: 5.3 - Changed from Intelligence organisations to Military intelligence. BT Military organisations removed, BT National security added.

Internet

BT: Computer networks

Mass media

NT: Email

Websites

World Wide Web

RT: Electronic publishing

Hybrid media

HN: 5.3 - BT Nonprint media removed.

Interviews

UF: Questioning techniques

BT: Data collection

Media texts

HN: 5.3 - BT Research removed, BT Data collection added.

Introduced species

UF: Exotic animals

Exotic plants

Introduced animals

Introduced pests

Introduced plants

Invasive species

BT: Range (Ecology)

RT: Carp

Foxes

Rabbits

Weed control

HN: 5.3 - BT Ecology removed, BT Range (Ecology) added.

Inverses

UF: Reciprocals

BT: Factors

HN: 5.3 - BT Mathematical concepts removed, BT Factors added.

Iodine

BT: Chemical elements

HN: 5.3 - BT Solids (Matter) removed

Ionosphere

BT: Atmospheric structure

HN: 5.3 - Atmosphere removed, Asmospheric structure added.

Ions

BT: Ionic bonding

NT: Anions
 Cations
 RT: Electrolytes
 HN: 5.3 - BT Molecules removed, BT Ionic bonding added.

Iron on transfers
 BT: Decalcomania
 Textile printing
 HN: 5.3 - BT Transfer printing removed.

Irrigation
 BT: Hydraulics
 Water use
 RT: Cultivation
 Drainage
 Land reclamation
 HN: 5.3 - BT Hydraulic engineering and Agricultural engineering removed, BT Hydraulics added.

Isobars
 BT: Contour lines
 RT: Atmospheric pressure
 HN: 5.3 - BT High pressure systems and BT Low pressure systems removed, BT Contour lines added.

Iteration
 BT: Functions (Mathematics)
 NT: Recursion
 RT: Equations
 HN: 5.3 - BT Mathematical concepts removed, BT Functions added.

Jetties
 UF: Piers
 Wharfs
 BT: Structures
 HN: 4.6; 5.3 - BT Built environment removed, BT Structures added.

Kakapo
 BT: Parrots
 HN: 4.6; 5.3 Changed from Kakapos, "s" removed.

Katabatic winds
 USE: Orographic lift
 HN: 5.3 - BT Winds removed, USE Orographic lift added.

Katipos
 BT: Spiders
 HN: 5.3 - Changed from Katipo to Katipos.

Kerosene
 BT: Petroleum products
 HN: 5.3 - BT Petroleum products added, BT Fuel removed.

Kinaesthetics
 USE: Human movement
 HN: 5.3 - BT Kinesiology removed, USE Human movement added.

Kinematics
 USE: Motion
 HN: 5.3 - BT Mechanics removed, USE Motion added. Scope note removed.

Kinesiology
 USE: Human movement
 HN: 5.3 - BT Human movement removed, USE Human movement added.

Kinesthetics
 USE: Human movement
 HN: 5.3 - BT Kinesiology removed, USE Human movement added.

Kinetic energy
 UF: Movement (Energy)
 BT: Mechanical energy
 NT: Diffusion
 Pressure
 RT: Heat
 Sound
 HN: 5.3 - BT Energy removed, BT Mechanical energy added. Scope note added.

Kinetic theory
 BT: Gases
 SN: Use for resources on the motion of objects. For resources on the motion of particles, use Kinetic energy.
 HN: 5.3 - BT Motion removed, BT Gases added. Scope note added.

Kiwi
 BT: Flightless birds
 HN: 5.1; 5.3 Changed from Kiwis to singular form.

Knolls
 USE: Hills
 HN: 5.3 - BT Hills removed, USE Hills added.

Krypton
 BT: Chemical elements
 HN: 5.3 - BT Gases removed

La Nina
 BT: El Nino Southern Oscillation
 HN: 5.3 - USE El Nino Southern Oscillation removed, BT El Nino Southern Oscillation added.

Laboratories

BT: Scientific control
 HN: 5.0 - BT Science removed, Research methodologies added. 5.3 - BT Research methodologies removed, BT Scientific control added.

Labour economics
 USE: Labour market
 HN: 5.3 - BT Economics removed, USE Labour market added.

Lahars
 USE: Mudflows
 HN: 5.3 - BT Landslides removed, USE Mudflows added.

Land custodianship
 BT: Responsibility
 RT: Aboriginal land councils
 Aboriginal land rights
 Environmental stewardship
 Land rights
 SN: Use for resources about Aboriginal and Torres Strait Islander responsibility to particular land regions.
 HN: 5.1; 5.3 - BT Land management and BT Responsibility removed, BT Ownership added.

Land degradation
 BT: Ecosystems
 NT: Desertification
 Soil compaction
 Soil degradation
 HN: 5.3 - USE Soil degradation removed, BT Ecosystems added.

Land reclamation
 BT: Land use
 RT: Irrigation
 HN: 5.3 - Changed from Reclamation of land to Land reclamation.

Land use
 BT: Environmental management
 NT: Forestry
 Land reclamation
 Regional planning
 Revegetation
 Town planning
 RT: Agriculture
 HN: 5.3 - BT Ecology and BT Economics removed, BT Environmental management added.

Landcare programs
 BT: Environmental preservation
 RT: Salinity

HN: 5.3 - BT Environmental protection removed, BT Environmental preservation added.

Landforms

UF: Geological formations

Land forms

BT: Earth's crust

NT: Caves

Cliffs

Coasts

Deserts

Glaciers

Groundwater

Hills

Icecaps

Islands

Lakes

Mountains

Plains

Ponds

Reefs

Ridges

Rivers

Tundras

Valleys

Waterfalls

Weathering

Wetlands

RT: Public land

SN: Use for resources about features of the earth including features of the ocean.

HN: 5.3 - BT Physical geography removed, BT Earth's surface added.

Landscape designers

USE: Landscape design

HN: 5.2; 5.3 - USE Landscape design added, USE Industrial design removed.

Landscape gardening

UF: Garden design

BT: Landscape design

RT: Gardening

HN: 5.3 - BT Gardening removed, BT Landscape design added.

Larvae

BT: Metamorphosis

NT: Caterpillars

Tadpoles

RT: Cocoons

HN: 5.3 - BT Biology removed, BT Metamorphosis added.

Lasers

BT: Optical instruments

RT: Photons

HN: 5.3 - BT Light removed, BT Optical instruments added.

Latitude
 BT: Geographic location
 NT: Hemispheres
 Parallels (Latitude)
 Polar regions
 Temperate regions
 Tropical regions
 HN: 5.3 - BT Distance removed, BT Geographic location added.

Lattices
 BT: Points
 HN: 5.3 - BT Geometry removed, BT Points added.

Leaching (Soil)
 BT: Soil formation
 HN: 5.3 - Qualifier added.

Length
 UF: Length measurement
 Linear measurement
 Measurement of length
 BT: Dimensions
 NT: Breadth
 Depth
 Height
 Perimeters
 RT: Length units
 HN: 5.3 - BT Measurement removed, BT Dimensions added.

Lenses
 BT: Optical instruments
 NT: Accommodation (Optics)
 Converging lenses
 Diverging lenses
 Focal length
 Focus (Optics)
 RT: Cameras
 Crystalline lenses
 Eyes
 HN: 5.3 - BT Optics and Photographic equipment removed, BT Optical instruments added.

Letters to the editor
 BT: Letters (Texts)
 Media texts
 HN: 5.3 - BT Newspapers removed.

Life
 UF: Biology
 Life and living
 BT: Science
 NT: Animal behaviour
 Cells
 Ecosystems
 Evolution

Genes
 Living things
 Structure and function (Animals)
 Structure and function (Plants)
 Viruses
 RT: Biological illustration
 Biologists
 Biotechnology
 HN: 5.3 - Changed from Biology to Life.

Life expectancy
 BT: Social indicators
 NT: Death
 RT: Age
 Life insurance
 HN: 5.3 - BT Age removed, BT Social indicators added.

Lift (Aerodynamic)
 BT: Fluid flow
 NT: Angle of attack
 RT: Sails
 HN: 5.3 - BT Forces removed, BT Fluid flow added. Qualifier added.

Lifts (Buildings)
 UF: Elevators
 BT: Building components
 HN: 4.6; 5.3 - Qualifier added.

Light
 UF: Light beams
 Light rays
 Optics
 Visible spectrum
 BT: Electromagnetic radiation
 NT: Colour (Light)
 Images (Optics)
 Incandescence
 Luminescence
 Pigments
 Polarisation
 Shadows
 RT: Chiaroscuro
 Diffraction
 Light meters
 Photons
 Solar energy
 HN: 5.3 - BT Optics removed.

Light filters
 BT: Optical instruments
 Photographic equipment
 RT: Cameras
 HN: 5.3 - BT Optics removed, BT Optical instruments added.

Light rays
 USE: Light

HN: 5.3 - BT Light removed, USE Light added.

Lighthouses

BT: Buildings (Structures)

RT: Lightships

Navigation

HN: 5.3 - BT Navigation removed.

Lightning

UF: Electrical storms

Thunderstorms

BT: Weather

HN: 5.3 - BT Meteorology removed, BT Weather added.

Limestone

BT: Sedimentary rocks

RT: Calcification

Calcium carbonate

Chalk

HN: 5.3 - BT Carbonte rocks removed, BT Sedimentary rocks added.

Limits

BT: Calculus

HN: 5.3 - BT Mathematical concepts removed, BT Calculus added.

Lions

BT: Felines

HN: 5.2; 5.3 - BT Cats removed, BT Felines added.

Liquefied petroleum gas

USE: LPG

HN: 5.3 - Changed Liquid to Liquefied.

Liquids

BT: States of matter

RT: Chemical elements

Convection

Diffusion

Solvents

HN: 5.2; 5.3 - BT Matter and Fluids removed, BT States of matter added.

Literature reviews

BT: Data collection

RT: Criticism

HN: 5.3 - BT Research removed, BT Data collection added.

Lithium hydroxide

BT: Bases (Alkalis)

HN: 5.3 - BT Alkalis removed, BT Bases (Chemistry) added. Changed from Lithium hydroxides to singular form.

Lithosphere

USE: Earth's crust

Mantle

HN: 5.3 - BT Geology and BT Lithosphere removed, USE Earth's crust and USE Mantle added.

Litmus

BT: Dyes

pH indicators

RT: Bases (Alkalis)

pH

HN: 5.3 - Changed from Litmus paper to Litmus, BT Indicator chemicals removed, BT Dyes and pH indicators added.

Livestock

UF: Farm animals

BT: Animal products

Domestication

NT: Cattle

Poultry

Working animals

RT: Sheep

HN: 5.3 - BT Domestication added.

Living things

BT: Life

NT: Archaea

Bacteria

Eukaryotes

Extraterrestrial life

Origin of life

HN: 5.3 - Made preferred term, BT Life sciences added.

Logarithms

BT: Arithmetic

HN: 5.3 - BT Indices removed, BT Arithmetic added.

Longitude

BT: Geographic location

NT: Meridians

Time zones

RT: Greenwich Mean Time

HN: 5.3 - BT Distance removed, BT Geographic location added.

LPG

UF: Liquefied petroleum gas

BT: Petroleum products

RT: Propane

HN: 5.3 - BT Petroleum products added, BT Fuel removed.

Lubrication

UF: Tribology

BT: Friction

HN: 5.3 - Changed from Lubricants to Lubrication. BT Tribology removed, BT Friction added. RT Graphite removed.

Luminism

BT: Expressionism

RT: American painting

HN: 5.3 - BT Painting removed, BT Impressionism added.

Ma'ulu'ulu

BT: Dances (Dance forms)

Tongan dance

HN: 5.3 - BT Samoan dance removed.

Madrigals

BT: Musical forms

Songs

RT: Poetry

HN: 5.3 - BT Renaissance music, BT Lyric poetry and BT Narrative poetry removed.

Magma

BT: Rocks

RT: Igneous rocks

Lava

HN: 5.3 - BT Asthenosphere and BT Volcanoes removed, BT Rocks added.

Magnetic separation

BT: Separation (Mixtures)

RT: Magnetism

HN: 5.3 - BT Analytical chemistry removed, BT Separation (Mixtures) added.

Magnetism

UF: Attraction (Magnetism)

Magnetic attraction

Pull (Magnetic force)

BT: Electromagnetism

NT: Magnetic fields

RT: Magnetic separation

HN: 5.3 - BT Forces removed, BT Electromagnetism.

Magnification

BT: Images (Optics)

RT: Converging lenses

HN: 5.0 - BT Optics added. RT Optics removed. 5.3 - BT Optics removed, BT Images (Optics) added.

Magnifying glasses

USE: Converging lenses

HN: 5.3 - BT Lenses removed, USE Converging lenses added.

Magpies

BT: Passerines

HN: 5.3 - BT Birds removed BT Passerines added.

Males

BT: Gender

HN: 5.3 - BT Humans removed, BT Gender added.

Mannerist art

USE: Mannerism

HN: 5.3 - BT Visual arts removed, USE

Mannerism added.

Mantle

UF: Lithosphere

BT: Earth structure

NT: Asthenosphere

Earth movements

HN: 5.3 - BT Geology removed, BT Earth structure added.

Manual labour

BT: Employment

RT: Industrial arts

HN: 5.0 - BT Work (Industry) removed, Employment added.

Manuscript illumination

UF: Illuminated manuscripts

Illumination of manuscripts

BT: Illustration

RT: Alphabets

Book illumination

HN: 5.3 - BT Manuscripts removed.

Map drawing

USE: Cartography

HN: 5.3 - BT Cartography and BT Drawing removed, USE Cartography added.

Map projection

BT: Cartography

RT: Projection (Visual arts)

HN: 5.3 - BT Projection (Mathematics) removed.

Maps

BT: Data representation

Navigation equipment

NT: Astronomical maps

Atlases

Choropleth maps

Coastal charts

Contour maps

Dot symbol maps

Isopleth maps

Marine charts

Physical maps

Political maps

Relief maps

- Road maps
- Thematic maps
- Topographic maps
- Weather maps
- RT: Bearings (Direction)
- Cartography
- Charts
- Grid references
- Network diagrams
- HN: 5.3 - BT Geography and BT Factual texts removed, BT Data representation added.

Maquettes

- UF: Bozzetto
- BT: Sculpture
- HN: 5.3 - BT Models removed.

Marginalisation

- BT: Equality
- RT: Deviant behaviour
- Social discrimination
- HN: 5.3 BT Sociology removed, BT Equality added.

Marine habitats

- UF: Aquatic animals
- Water animals
- BT: Habitats
- NT: Marine plants
- Plankton
- RT: Aquaculture
- Corals
- Photophores
- Spawning
- HN: 5.3 - Changed from Marine animals to Marine habitats. BT Animals removed, BT Habitats added.

Marine plants

- BT: Marine habitats
- RT: Oceans
- HN: 5.3 - BT Marine biology removed, BT Marine environments added.

Marine protected areas

- UF: Marine national parks
- Marine reserves
- BT: Reserves
- RT: Coastal management
- HN: 5.3 - BT Environmental protection removed.

Market research

- BT: Marketing
- NT: Ratings
- RT: Data collection
- Product appraisal
- HN: 5.0 - BT Research removed.

Marketing

- BT: Business and enterprise
- NT: Advertising
- Branding
- Distribution
- Market research
- Marketing strategies
- Pricing
- Public relations
- Sales promotion
- Selling
- RT: Markets
- SWOT analysis
- Target markets
- HN: 5.0 - BT Business removed, Business and enterprise added.

Markets

- BT: Economics
- NT: Domestic markets
- Futures market
- International markets
- Labour market
- Market failure
- Mass markets
- Money markets
- Niche markets
- Potential markets
- Stock markets
- Target markets
- RT: Economic rationalism
- Marketing
- Microeconomics
- HN: 5.0 - BT Business removed, Economics added.

Masonry

- BT: Industrial arts
- RT: Cement
- Concrete
- HN: 5.3 - BT Materials removed, BT Industrial arts added.

Mass

- UF: Weight
- BT: Mechanical energy
- Properties of matter
- RT: Density
- Inertia
- Mass units
- HN: 5.3 - BT Mechanics removed, BT Mechanical energy and BT Properties of matter added.

Materials

- UF: Building materials
- Construction materials
- BT: Industrial arts
- Manufacturing
- NT: Cement
- Ceramics

Fibres (Materials)
 Stone
 Timber
 RT: Building (Engineering)
 Buildings (Structures)
 Metals
 Properties of matter
 HN: 5.0 - BT Technology removed,
 Industrial art and Manufacturing added.

Mateship
 BT: Friendship
 RT: Australian identity
 HN: 5.3 - BT Social values removed, BT
 Friendship added.

Mathematical expressions
 BT: Mathematics
 NT: Mathematical formulas
 Mathematical notation
 Matrices
 Number lines
 Proofs
 HN: 5.3 - Changed from Expressions to
 Mathematical expressions. BT Mathematical
 concepts removed, BT Mathematics added.

Mathematical formulas
 BT: Mathematical expressions
 NT: Number sentences
 Polynomials
 HN: 5.3 - BT Mathematics removed, BT
 Mathematical expressions added.

Mathematical induction
 BT: Deductive thinking
 HN: 5.3 - Changed from Induction
 (Mathematics) to Mathematical induction. BT
 Mathematics removed, BT Deductive thinking
 added.

Mathematical instruments
 BT: Instrumentation (Technology)
 NT: Calculators
 Compasses
 Counting frames
 Protractors
 Set squares
 RT: Mathematics
 HN: 5.3 - BT Mathematics removed.

Mathematical notation
 UF: Algebraic symbols
 Mathematical symbols
 Notation
 BT: Mathematical expressions
 NT: Indices
 Minus sign
 Numbering systems
 Parentheses

Plus sign
 Pronumerals
 HN: 5.3 - BT Mathematics removed, BT
 Expressions added.

Matrices
 UF: Matrix
 BT: Mathematical expressions
 HN: 5.3 - BT Mathematical concepts
 removed, BT Expressions added.

Matter
 UF: Chemistry
 BT: Science
 NT: Atoms
 Chemical analysis
 Chemical compounds
 Chemical elements
 Chemical reactions
 Properties of matter
 States of matter
 RT: Chemical engineering
 Chemists
 HN: 5.3 - BT Physics removed, BT Science
 added.

Maturity
 UF: Maturation
 BT: Age
 HN: 5.3 - BT Life cycles removed, Age
 added.

Mechanical drawing
 UF: Engineering drawing
 Industrial drawing
 Mechanical drafting
 Mechanical drawings
 BT: Industrial design
 Technical drawing
 RT: Engineering
 Machinery
 HN: 5.3 - BT Engineering removed.

Mechanics
 USE: Mechanical energy
 HN: 5.3 - BT Physics removed, USE
 Mechanical energy added.

Media
 UF: Digital media
 BT: Sociology
 NT: Hybrid media
 Mass media
 Media industry
 Media issues
 Media production
 Media role
 Multimedia
 Nonprint media
 Print media

RT: Media bias
 Media influence
 Media literacy
 Media ownership
 Media texts
 HN: 5.0 - BT Communication (Sociology)
 removed, Sociology added.

Media bias
 BT: Bias (Attitudes)
 RT: Media
 HN: 5.3 - BT Media removed.

Media convergence
 USE: Hybrid media
 SN: Use for resources on the merging of
 older forms of mass media with newer ones.
 HN: 5.3 - BT Media removed, USE Hybrid
 media added.

Media influence
 BT: Social influence
 RT: Media
 HN: 5.3 - BT Media role removed, BT
 Social influence added.

Media ownership
 UF: Cross media ownership
 Media monopolies
 BT: Ownership
 RT: Media
 HN: 5.3 - BT Media issues removed, BT
 Ownership added.

Meiosis
 BT: Binary fission
 RT: Gametes
 Mitosis
 HN: 5.3 - BT Cells removed, BT Binary
 fission added.

Melting point
 BT: Melting
 HN: 4.6; 5.3 - BT Melting added, BT
 Temperature removed.

Memorials
 BT: Sacred sites
 NT: War memorials
 HN: 5.3 - BT Historic sites removed, BT
 Sacred sites added.

Men
 BT: Groups
 HN: 5.3 - USE Males removed, BT Groups
 added.

Mercalli scale
 USE: Seismic scales

HN: 5.3 - BT Scales (Measurement)
 removed, USE Seismic scales added.

Mercury (Metals)
 BT: Chemical elements
 Metals
 RT: Amalgams
 HN: 5.3 - BT Liquids removed. Changed
 from Mercury (Liquids) to Mercury (Metals).

Messaging
 UF: SMS
 Text messaging
 BT: Telecommunications
 RT: Mobile phones
 HN: 5.3 - UST Text messaging removed,
 BT Telecommunications added.

Metabolism (Animals)
 BT: Structure and function (Animals)
 NT: Body temperature
 Homeostasis
 Toxins
 RT: Plant metabolism
 HN: 5.3 - BT Biochemistry removed, BT
 Structure and function (Animals) added.
 Qualifier added.

Metalwork
 BT: Industrial arts
 NT: Founding
 Goldwork
 Silverwork
 RT: Art metalwork
 HN: 5.3 - BT Manufacturing processes
 removed.

Meteorological optics
 USE: Atmospheric light
 HN: 5.3 - BT Earth and space removed,
 USE Atmospheric light added.

Meteorologists
 BT: Scientists
 HN: 5.3 - BT Meteorology removed.

Meteorology
 USE: Weather
 HN: 5.3 - BT Physical geography removed,
 USE Weather added.

Meteors
 UF: Falling stars
 Fire balls
 Meteorites
 Shooting stars
 BT: Universe
 HN: 5.3 - BT Solar system removed, BT
 Universe added.

Methane
 UF: Methyl hydride
 BT: Alkanes
 RT: Greenhouse gases
 Methanol
 HN: 5.3 - BT Gases removed, BT Alkanes added.

Methylated spirits
 BT: Ethanol
 RT: Methanol
 HN: 5.3 - BT Fuel removed, BT Ethanol added.

Metric system
 BT: Systems of measurement
 RT: Units of measurement
 HN: 5.3 - BT Measurement, BT Number patterns and BT Mathematics removed, BT Systems of measurement added.

Microbiologists
 HN: 5.0 - Modification - NP. 5.3 - Delete.

Microbiology
 USE: Bacteria
 Cells
 Microscopy
 Viruses
 HN: 5.3 - BT Biology removed, USE Bacteria, Cells, Microscopy and Viruses (Biology) added.

Microscopy
 UF: Microbiology
 BT: Data analysis
 RT: Bacteria
 Microscopes
 Photomicrography
 HN: 5.3 - BT Optics removed, BT Data analysis added.

Milling
 BT: Food processing
 Refining
 RT: Grain
 HN: 5.3 - BT Refining added.

Millipedes
 UF: Diplopoda
 BT: Arthropods
 HN: 5.3 - BT Diplopoda removed, BT Arthropods added.

Mimicry
 BT: Adaptation (Evolution)
 HN: 5.3 - BT Animal defences removed, BT Adaptation (Life) added.

Minerals (Nutrition)

BT: Nutrition
 NT: Trace elements
 HN: 5.3 - Qualifier changed from Food to Nutrition.

Mirrors
 UF: Looking glasses
 Specular reflection
 BT: Optical instruments
 NT: Concave mirrors
 Convex mirrors
 RT: Glass
 Reflectivity
 HN: 5.3 - BT Reflectors removed, BT Optical instruments added.

Mitochondria
 BT: Organelles
 HN: 5.3 - BT Cells removed, Organelles added.

Mitosis
 BT: Binary fission
 RT: Chromosomes
 Meiosis
 HN: 5.3 - BT Cells removed, BT Binary fission added.

Mixing (Blending)
 UF: Blending
 BT: Chemical engineering
 RT: Mixtures
 HN: 5.3 - BT Matter removed, BT Chemical engineering added.

Models
 UF: Model making
 Scale models
 BT: Hobbies
 NT: Model aeroplanes
 Model boats
 Model cars
 Model railways
 Model ships
 HN: 5.3 - BT Handicrafts removed, BT Hobbies added.

Modernist art
 BT: Modern art
 NT: Art Deco
 Art Nouveau
 Cubist art
 Dadaism
 Expressionist art
 Fauvism
 Futurist art
 Surrealist art
 RT: Postmodernist art
 SN: Use for resources on art from the late 19th century to the 1940s that was

characterised by the deliberate departure from tradition and the use of innovative forms of expression.

HN: 5.0 - BT Visual arts removed.

Moh's scale

USE: Hardness

HN: 5.3 - BT Hardness removed, USE Hardness added.

Molecular models

BT: Molecular structure

HN: 5.3 - BT Models removed, BT Molecular structure added.

Molecular weight

UF: Molecular mass

BT: Properties of matter

RT: Chemical elements

HN: 5.3 - Changed to singular. BT Chemistry removed, BT Properties of matter added.

Molecules

BT: Bonding (Chemistry)

RT: Molecular forces

HN: 5.3 - BT Matter removed, BT Bonding (Chemistry) added.

Momentum

BT: Motion

NT: Angular momentum

Linear momentum

HN: 5.3 - BT Mechanics removed, BT Motion added.

Moon

UF: Luna

BT: Moons

NT: Far side

RT: Lunar orbits

Moon phases

HN: 5.3 - BT Satellites removed, BT Moons added.

Moon phases

UF: Lunar phases

Moonlight

BT: Lunar orbits

NT: Crescent moon

First quarter moon

Full moon

Last quarter moon

New moon

RT: Earth

Moon

Planets

HN: 5.3 - BT Astronomy removed, BT Lunar orbits added.

Moonlight

USE: Moon phases

HN: 5.3 - BT Light removed, USE Moon phases added.

Motifs

BT: Rhetorical devices

Structural elements

NT: Dance motifs

RT: Mandalas

Repetition (Rhetorical device)

HN: 5.3 - BT Decorative arts removed.

Motion

UF: Kinematics

BT: Mechanical energy

NT: Acceleration

Displacement

Fluid flow

Frames of reference

Inertia

Momentum

Reciprocal actions

Rotational motion

Speed

Stability

Trajectory

RT: Brakes

Friction

Movement (Animals)

HN: 5.3 - Scope note removed. BT Dynamics (Mechanics) and BT Kinematics removed, BT Mechanical energy added.

Motor skills

UF: Coordination skills

Fine motor skills

Gross motor skills

Motor ability

Psychomotor skills

BT: Psychology

NT: Balancing

RT: Movement (Animals)

HN: 5.0 - BT Skills removed; 5.3 - BT Movement (Physiology) removed.

Mountain building

UF: Orogeny

BT: Tectonic plates

RT: Mountains

HN: 5.3 - BT Structural geology removed, BT Tectonic plates added.

Mountain sheep

BT: Sheep breeds

SN: Use for resources about mountain sheep breeds including Cheviot and Scotch Blackface.

HN: 5.3 - Changed from Mountain sheep breeds to Mountain sheep.

Movement (Animals)
 UF: Animal mechanics
 Biomechanics
 BT: Structure and function (Animals)
 NT: Animal tracks
 Hopping
 Nonlocomotor movement
 Posture (Body position)
 Running
 Swimming
 Walking
 RT: Motion
 Motor skills
 HN: 5.3 - Qualifier changed from Physiology to Animals. BT Physiology removed, BT Structure and function (Animals) added.

Mud
 BT: Sedimentation
 RT: Soil
 HN: 5.3 - BT Soil types removed, BT Sedimentation added.

Mudflows
 UF: Lahars
 Mudslides
 BT: Landslides
 HN: 5.3 - USE Lahars removed, BT Landslides added.

Muscles
 UF: Muscular system
 BT: Structure and function (Animals)
 NT: Ciliary muscles
 Diaphragm
 Heart
 Tongue
 RT: Ligaments
 Shivering
 HN: 5.3 - BT Muscular skeletal system removed, BT Structure and function (Animals) added.

Muscular system
 USE: Muscles
 HN: 5.3 - USE Muscular skeletal system removed, USE Muscles added.

Music festivals
 BT: Festivals
 HN: 5.3 - BT Performances (Arts) removed.

Mutation
 BT: Genetic variation
 HN: 5.3 - BT Genetics removed, BT Genetic variation added.

Mutton sheep
 BT: Sheep
 HN: 5.3 - BT Sheep types removed, BT Sheep added.

Mutualism
 BT: Symbiosis
 HN: 5.1; 5.3 - USE Symbiosis removed, BT Symbiosis added.

National capitals
 USE: Capital cities
 HN: 5.3 - BT Cities removed, USE Capital cities added.

National parks
 BT: Parks
 RT: Forest parks
 Reserves
 Soil conservation
 Water conservation
 Wildlife conservation
 HN: 5.3 - Scope note removed, BT Environmental protection removed.

National security
 UF: National defence
 BT: Government role
 NT: Armed forces
 Intelligence organisations
 Passports
 RT: Defence agreements
 Federal government
 International relations
 National government
 Safety
 HN: 5.0 - BT Defence policy removed.

Native plants
 USE: Indigenous species
 HN: 5.3 - BT Plants removed, USE Indigenous species added.

Native species
 USE: Indigenous species
 HN: 5.3 - BT Ecology removed, USE Indigenous species added.

Natural environment
 USE: Earth's crust
 HN: 5.3 - USE Environment removed, USE Earth's crust added.

Natural gas
 BT: Fossil fuels
 RT: Refining
 HN: 5.3 - BT Hydrocarbons removed.

Natural languages
 UF: Community languages
 BT: Language

NT: Aboriginal languages
 Albanian language
 Arabic language
 Armenian language
 ...
 Tongan language
 Torres Strait Islander languages
 Turkish language
 Ukrainian language
 Vietnamese language
 RT: Dictionaries
 Encyclopedias
 Kana
 Orthography
 Vocabulary
 HN: 5.0 - BT Communication (Sociology) removed, Language added; 5.3 - Changed from Languages to Natural languages.

Nectar
 BT: Plant reproduction
 RT: Pollination
 HN: 5.3 - BT Plant physiology removed, BT Plant reproduction added.

Neoclassical art
 USE: Neoclassicism
 HN: 5.3 - BT Neoclassicism and BT Visual arts removed, USE Neoclassicism added.

Neoclassicism
 UF: Neoclassical art
 BT: Arts movements
 NT: Neoclassical architecture
 Neoclassical sculpture
 HN: 5.0 - BT Arts removed, Arts movements added.

Neon
 BT: Chemical elements
 HN: 5.3 - BT Gases removed

Nervous system
 UF: Neurology
 BT: Structure and function (Animals)
 NT: Central nervous system
 Nerves
 Receptors
 Reflexes
 Stimulation
 HN: 5.3 - BT Physiology removed, BT Structure and function (Animals) added.

Nests
 BT: Sheltering behaviour
 HN: 5.1; 5.3 - BT Habitats removed, BT Sheltering behaviour added.

Neutrons
 BT: Elementary particles

HN: 5.3 - BT Elementary particles added, BT Particles removed.

News media
 USE: Broadcast journalism
 HN: 5.3 - BT Mass media removed, USE Broadcast journalism added.

Newspapers
 BT: Print media
 NT: Broadsheets
 Newsletters
 Tabloids
 RT: Headlines
 HN: 5.3 - BT News media removed.

Nga tikanga Maori
 UF: Maori customs
 BT: Maoritanga
 NT: Hakari
 HN: 5.3 - BT Social customs removed.

Niches (Architecture)
 BT: Architectural details
 HN: 5.3 - Qualifier added.

Night
 UF: Nighttime
 BT: Time units
 SN: Use for resources on the part of a day occurring between sunset and sunrise
 HN: 5.3 - Scope note revised. BT Time removed, BT Time units added.

Nitrogen
 BT: Chemical elements
 RT: Nitrogen cycle
 Nitrogen fertilisers
 Plant nutrition
 HN: 5.3 - BT Gases removed

Nitrous oxide
 UF: Dinitrogen oxide
 Laughing gas
 BT: Carbon oxides
 RT: Greenhouse gases
 HN: 5.3 - BT Gases removed, BT Carbon oxides added.

Nocturnal animals
 USE: Nocturnalism
 HN: 5.3 - BT Animals removed, USE Nocturnalism added.

Nocturnalism
 UF: Nocturnal animals
 BT: Animal behaviour
 HN: 5.3 - BT Night removed, BT Animal behaviour added. Changed from Nocturnal to Nocturnalism.

Nonrepresentational art
 BT: Abstract art
 HN: 5.3 - BT Visual arts removed, BT Abstract art added.

North Pole
 BT: Polar regions
 HN: 5.3 - BT Earth removed, BT Polar regions added.

Noxious weeds
 USE: Weed control
 HN: 5.3 - USE Weeds removed, USE Weed control added.

Nuclear chemistry
 USE: Atoms
 Nuclear energy
 HN: 5.3 - BT Chemistry removed, USE Atoms and Nuclear energy added.

Nuclear energy
 UF: Nuclear chemistry
 Nuclear physics
 Nuclear power
 BT: Energy resources
 NT: Nuclear fission
 Nuclear fusion
 RT: Nuclear disasters
 HN: 5.3 - BT Stored energy removed. RT Atoms removed, RT Nuclear chemistry added.

Nuclear fission
 BT: Nuclear energy
 RT: Radioactivity
 HN: 5.3 - BT Nuclear chemistry removed, BT Nuclear energy added.

Nuclear fusion
 BT: Nuclear energy
 RT: Radioactivity
 HN: 5.3 - BT Nuclear chemistry removed, BT Nuclear energy added.

Nuclear physics
 USE: Atoms
 Nuclear energy
 HN: 5.3 - BT Physics removed, USE Nuclear energy and Atoms.

Nucleic acids
 BT: Polymerisation
 NT: DNA
 RNA
 RT: Chromosomes
 Genomes
 HN: 5.3 - BT Acids removed, BT Polymerisation added.

Number lines
 BT: Mathematical expressions
 RT: Directed numbers
 HN: 5.3 - BT Mathematical concepts removed, BT Expressions added.

Number patterns
 BT: Sets (Mathematics)
 NT: Sequences (Mathematics)
 HN: 5.3 - BT Mathematical concepts removed, BT Sets (Mathematics) added.

Number sentences
 BT: Mathematical formulas
 HN: 5.3 - BT Sentences and Algebra removed, BT Mathematical formula added.

Numbers
 UF: Amicable numbers
 Number concepts
 Numerals
 BT: Mathematics
 NT: Cardinal numbers
 Complex numbers
 Decimal numbers
 Directed numbers
 Estimation
 Expanded sets
 Figurate numbers
 Infinity
 Minimums
 Mixed numbers
 Natural numbers
 Negative numbers
 Ordinal names
 Ordinal numbers
 Place value
 Positive numbers
 Random numbers
 Real numbers
 Roman numerals
 Significant figures
 Zero
 RT: Pronumerals
 HN: 5.3 - BT Mathematical concepts removed, BT Mathematics added.

Numeracy
 BT: Mathematical literacy
 HN: 5.3 - BT Mathematics removed, BT Mathematical literacy added.

Nutrients
 USE: Nutrition
 HN: 5.3 - BT Biochemicals removed. USE Nutrition added.

Nutrition
 UF: Nutrients
 BT: Health

NT: Carbohydrates
 Diet
 Fats
 Fibre (Nutrition)
 Malnutrition
 Minerals (Nutrition)
 Starvation
 Vitamins
 RT: Chemical energy
 Food products
 Nutrient cycles
 Plant nutrition
 Proteins
 SN: Use for resources on the process by which an organism assimilates and uses food and liquids.
 HN: 5.0 - BT Physiology removed, Health added.

Nymphs
 BT: Metamorphosis
 RT: Insects
 HN: 5.2; 5.3 - BT Life cycles removed, BT Metamorphosis added.

Oceanic plates
 BT: Tectonic plates
 HN: 5.3 - BT Oceans removed, BT Tectonic plates added.

Oceanography
 USE: Oceans
 HN: 5.3 - BT Earth sciences removed, USE Oceans added.

Oceans
 UF: Ocean
 Oceanography
 Seas
 BT: Earth's crust
 NT: Ocean currents
 Sea level
 Tides
 Waves (Ocean)
 RT: Estuaries
 Marine plants
 Seashore
 HN: 5.0 - BT Earth removed. 5.3 - BT Water and BT Physical geography removed, BT Earth's crust added.

Octane ratings
 UF: Octane numbers
 BT: Petroleum products
 HN: 5.3 - BT Fuel removed, BT Petroleum products added.

Oil spills
 BT: Water pollution
 RT: Petroleum

Tankers
 HN: 5.3 - BT Disasters removed, BT Water pollution added.

Omnivores
 UF: Omnivorous animals
 BT: Animal feeding
 HN: 5.3 - BT Animals removed, BT Animal feeding added.

Opaque materials
 USE: Transparency
 HN: 5.3 - BT Materials removed, USE Transparency.

Optical discs
 BT: Information storage
 NT: CD ROMs
 CDs
 DVDs
 HN: 5.3 - BT Nonprint media removed.

Optics
 USE: Light
 Optical instruments
 HN: 5.3 - BT Physics removed, USE Light and Optical instruments added.

Orbits
 BT: Rotational motion
 NT: Axial tilt
 Earth rotation
 Lunar orbits
 Planetary conjunctions
 RT: Gravitational potential
 HN: 5.3 - BT Astronomy removed.

Order of operations
 BT: Arithmetic
 HN: 5.3 - BT Mathematical concepts removed, BT Arithmetic added.

Organic chemistry
 USE: Organic compounds
 HN: 5.3 - BT Chemistry removed, USE Organic compounds.

Organic compounds
 UF: Organic chemicals
 Organic chemistry
 BT: Chemical compounds
 NT: Alcohols
 Aldehydes
 Amides
 Amines
 Dyes
 Esters
 Haloalkanes
 Hydrocarbons
 Ketones

Surfactants
 HN: 5.3 - BT Chemicals removed, BT Organic compounds added.

Organs (Anatomy)
 BT: Structure and function (Animals)
 NT: Digestive organs
 Excretory organs
 Pineal gland
 Reproductive organs
 Respiratory organs
 Sense organs
 HN: 5.3 - BT Anatomy removed, BT Structure and function (Animals) added.

Orientation
 BT: Navigation
 HN: 5.3 - BT Geographic location removed, BT Navigation added. Scope note removed.

Orographic lift
 UF: Katabatic winds
 BT: Air masses
 NT: Ridge lift
 HN: 5.3 - Changed from Orographic uplift to Orographic lift.

Outsider art
 BT: Arts movements
 SN: Use for resources on art created by artists who avoid techniques learned in traditional arts training.
 HN: 5.3 - BT Visual arts removed, BT Arts movements added.

Oxbow lakes
 USE: Billabongs
 HN: 5.3 - Changed from Oxbows to Oxbow lakes. BT Rivers removed, USE Billabongs added.

Oxidation
 USE: Redox reactions
 HN: 5.3 - BT Chemical reactions removed, USE Redox reactions added.

Oxygen
 BT: Chemical elements
 NT: Ozone
 HN: 5.3 - BT Gases removed

Ozone depletion
 USE: Ozone layer
 HN: 5.3 - BT Greenhouse effect removed, USE Ozone layer added.

Packs
 BT: Social behaviour (Animals)
 HN: 5.3 - BT Animal behaviour removed, BT Social behaviour (Animals) added.

Palaeontology
 USE: Fossils
 HN: 5.3 - Made non preferred term for Fossils.

Pancreatic juices
 BT: Pancreas
 HN: 5.3 - BT Body fluids removed, BT Pancreas added.

Pantomime
 UF: Pantomimes
 BT: Drama
 Theatre (Arts)
 RT: Mime
 Musical comedies
 SN: Use for resources about pantomime plays and pantomime as a form of drama.
 HN: 5.3 - BT Musical comedies removed.

Parasites
 USE: Parasitism
 HN: 5.3 - BT Biology removed, USE Parasitism added.

Parents
 BT: Family relationship
 NT: Biological parents
 Single parents
 Surrogate parents
 RT: Parental behaviour
 HN: 5.3 - BT Groups removed, BT Family relationship added.

Parks
 BT: Public land
 NT: National parks
 Reserves
 Zoos
 RT: Landscape design
 HN: 5.3 - BT Land and Recreational facilities removed, BT Public land added.

Particle physics
 USE: Elementary particles
 HN: 5.3 - USE Nuclear physics removed, USE Elementary particles added.

Peat
 BT: Fossil fuels
 RT: Coal
 HN: 5.3 - BT Hydrocarbons removed, BT Fossil fuels added.

Pencils
 BT: Drawing materials
 Writing materials
 RT: Pencil drawing

HN: 5.3 - BT Artists' tools and BT Artists' materials removed.

Pens

BT: Writing materials

HN: 5.3 - BT Artists' tools removed.

Penumbra

USE: Shadows

HN: 5.3 - BT Eclipses and Shadows removed, USE Shadows added.

Percentages

BT: Proportions

RT: Decimals

Fractions

HN: 5.3 - BT Mathematical concepts removed, BT Proportions added.

Perfect markets

USE: Market failure

SN: Use for resources about markets which are characterised by a level of equilibrium in terms of supply and demand, and of pricing. For resources about markets with restrictions between supply and demand and/or lack of communication of pricing between buyers and sellers, use Imperfect markets.

HN: 5.3 - BT Markets removed, USE Market failure added. Scope note removed.

Performers

UF: Artistes

Performing artists

BT: Occupations (Work)

Performing arts industries

NT: Actors

Comedians

Dancers

Magicians

RT: Performances (Arts)

Performing arts

HN: 5.3 - BT Performing arts removed.

Performing space

UF: Acting space

BT: Stages (Theatre)

RT: Amphitheatres

SN: Use for resources about the space where the action of a performance takes place.

HN: 5.3 - Scope noted edited.

Pesticides

UF: Agricultural chemicals

Herbicides

Insecticides

BT: Horticulture

NT: Bactericides

Fungicides

Nematicides

Rodenticides

Viricides

RT: Agricultural production

Biological control

Pest control

HN: 5.3 - BT Agricultural chemicals removed, BT Horticulture added.

Petrol

BT: Petroleum products

SN: Use for works about petrol as a fuel for vehicles. For works about petroleum as a fossil fuel use Petroleum.

HN: 5.3 - BT Petroleum products added, BT Fuel removed.

Petroleum

UF: Crude oil

Oil

Shale oil

BT: Fossil fuels

NT: Petroleum formation

Petroleum products

RT: Oil spills

Refining

SN: Use for works about petroleum as a fossil fuel. For works about the fuel petrol use Petrol.

HN: 5.3 - BT Hydrocarbons removed.

Pets

UF: Domestic animals

BT: Domestication

RT: Cats

Dogs

Rabbits

HN: 5.3 - BT Animals removed, BT Domestication added.

pH

UF: Acidity

Alkalinity

Potential hydrogen

BT: Properties of matter

RT: Acids

Bases (Alkalis)

Litmus

Neutralisation

Soil composition

HN: 5.3 - BT Acids, Alkalis and Bases removed, BT Properties of matter added.

Phase transformations

UF: Changes of state

Phase changes

BT: Properties of matter

NT: Boiling

Condensation

Deposition (Phase transformation)

Freezing (Phase transformation)

Melting
 Nucleation
 Sublimation
 RT: BECs
 HN: 5.3 - BT Physical processes and Matter removed, BT Properties of matter added.

Phenols
 UF: Carboic acid
 BT: Alcohols
 Aromatic hydrocarbons
 HN: 5.3 - BT Aromatic hydrocarbons added.

Phloem
 BT: Vascular tissues (Plants)
 HN: 5.3 - BT Plant physiology removed, BT Vascular tissue (Plants) added.

Phosphorescence
 BT: Luminescence
 HN: 5.3 - BT Light removed, BT Luminescence added.

Phosphorus
 BT: Chemical elements
 RT: Phosphorous cycle
 Plant nutrition
 HN: 5.3 - BT Solids (Matter) removed

Photobiology
 USE: Bioluminescence
 Photosynthesis
 HN: 5.3 - BT Biology removed, USE Bioluminescence and Photosynthesis added.

Photochemical smog
 BT: Air quality
 HN: 5.3 BT Air pollution removed, BT Air quality added.

Photographic processing
 UF: Darkroom technique
 BT: Photography
 HN: 5.3 - BT Photographic chemistry removed, BT Photography added.

Photographs
 USE: Photography
 HN: 5.3 - BT Photography removed, USE Photography added.

Photolysis
 UF: Photodissociation
 BT: Photochemical reactions
 RT: Photosynthesis
 HN: 5.3 - BT Chemical reactions removed, Photochemical reactions added.

Photonics
 USE: Photons

HN: 5.3 - BT Optics removed, USE Photons added. Scope note removed.

Photoreceptors
 BT: Receptors
 RT: Night vision
 HN: 5.3 - BT Retina removed, BT Receptors added.

Photosynthesis
 UF: Photobiology
 BT: Photochemical reactions
 Plant metabolism
 RT: Chlorophyll
 Photolysis
 Plankton
 HN: 5.3 - BT Photochemical reactions added, BT Plant metabolism and BT Photochemical reactions added.

Physical characteristics
 BT: Structure and function (Animals)
 NT: Gender
 HN: 5.3 - BT Humans removed, BT Structure and function (Animals) added.

Physical environment
 USE: Earth's crust
 HN: 5.3 - USE Environment removed, USE Earth's crust added.

Physical geography
 USE: Earth movements
 Earth structure
 HN: 5.3 - BT Geography and BT Geology removed, USE Earth movement and USE Earth structure added.

Physical phenomena
 USE: Forces and energy
 HN: 5.3 - BT Physics removed, USE Forces and energy added.

Physical processes
 USE: Forces and energy
 HN: 5.0 - BT Science added. 5.2 - BT Science removed, Physics added. 5.3 - BT Physics removed, USE Forces and energy added.

Physical sciences
 USE: Forces and energy
 HN: 5.3 - USE Physics removed, USE Forces and energy added.

Physics
 USE: Forces and energy
 HN: 5.3 - BT Science removed, USE Forces and energy added.

Physiology

USE: Structure and function (Animals)

SN: Use for resources on the functioning of biological organisms. For specific body parts refer to the terms under Anatomy.

HN: 5.3 - BT Biology removed, USE Structure and function (Animals) added.

Piezoelectricity

BT: Electricity

RT: Crystals

HN: 5.3 - USE Piezoelectric effect removed, BT Electricity added.

Pigments

BT: Light

NT: Chlorophyll

Xanthophylls

RT: Absorption (Waves)

Dyes

Paints

HN: 5.0 - Qualifier added to disambiguate from new term Pigments (Biochemicals). 5.3 - Qualifier removed. BT Colour and Photochemistry removed, BT Light added.

Pine trees

BT: Conifers

HN: 5.3 - BT Evergreen trees removed, BT Conifers added.

Pineal gland

BT: Organs (Anatomy)

RT: Hibernation

HN: 5.3 - BT Biological rhythms removed, BT Organs (Anatomy) added.

Pitcher plants

BT: Carnivorous plants

Dicots

HN: 5.3 - BT Dicots added.

Places

USE: Geographic location

HN: 5.0 - BT Geography added. 5.3 - BT Geographic location removed, BT Geographic location added.

Planes

BT: Geometry

NT: Cartesian planes

Cross sections

Sectors

Tessellations

HN: 5.3 - BT Plane geometry removed, BT Geometry added.

Planets

BT: Universe

NT: Dwarf planets

Earth

Exoplanets

Jupiter

Mars

Mercury (Planet)

Neptune

Saturn

Uranus

Venus

RT: Moon phases

Planetariums

HN: 5.3 - BT Galaxies and BT Solar system removed, BT Space added.

Plankton

BT: Marine habitats

NT: Phytoplankton

RT: Carbon cycle

Photosynthesis

HN: 5.3 - BT Aquatic ecology and BT Marine plants removed, BT Marine habitats added.

Plant canopies

USE: Forest canopies

HN: 5.3 - BT Plants removed, USE Forest canopies added.

Plant defences

BT: Adaptation (Evolution)

RT: Divarication

HN: 5.3 - BT Plants removed, BT Adaptation (Life) added.

Plant growth

UF: Plant life cycle

BT: Structure and function (Plants)

NT: Seedlings

Shrubs

Trees

RT: Growth (Animals)

HN: 5.3 - BT Plant physiology removed, BT Structure and function (Animals) added.

Plant hormones

BT: Plant metabolism

NT: Absciscic acid

Auxins

Cytokinins

Gibberellins

RT: Structure and function (Plants)

SN: Use for resources about substances used by plants which effect physiological activity. For resources about hormones in animals use Hormones.

HN: 5.3 - BT Hormones removed, BT Plant metabolism added.

Plant life cycle

USE: Plant growth
HN: 5.3 - USE Life cycles removed, USE Plant growth added.

Plant nutrition

BT: Structure and function (Plants)

NT: Carnivorous plants

RT: Fertilisers

Nitrogen

Nutrition

Phosphorus

Plants

Potassium

HN: 5.3 - Changed from Plant nutrients to Plant nutrition. BT Nutrients removed, BT Plants metabolism added.

Plant reproduction

UF: Reproductive system (Plants)

BT: Structure and function (Plants)

NT: Flowers

Fruits

Nectar

Pollen

Pollination

Seeds

Spores

HN: 5.3 - BT Reproductive system removed, BT Structure and function (Plants) added.

Plant sap

UF: Sap

BT: Structure and function (Plants)

NT: Resins

HN: 5.3 - Changed from Sap to Plant sap.

Plants

UF: Flora

Kingdom plantae

Plant biology

Plant kingdom

Vegetable kingdom

BT: Eukaryotes

NT: Conifers

Ferns

Flowering plants

Mosses

RT: Horticulture

Plant nurseries

Plant nutrition

Structure and function (Plants)

SN: Use for general descriptive resources on plants. For resources of a technical or scientific nature use Botany.

HN: 5.3 - BT Biology removed, BT Eukaryotes added.

Plastics

BT: Polymerisation

NT: Thermosetting plastics

HN: 5.3 - BT Artists' materials and Polymers removed, BT Polymerisation added.

Plate tectonics

USE: Earth movements

HN: 5.3 - BT Geology and BT Geophysics removed, USE Earth movements added.

Plateaus

UF: Tablelands

BT: Plains

HN: 5.3 - BT Landforms removed, BT Plains added.

Pluto

BT: Dwarf planets

HN: 5.3 - BT Planets removed, BT Dwarf planets added.

Pneumatics

BT: Engineering

RT: Gases

HN: 5.3 - BT Dynamics (Mechanics) removed, BT Engineering added.

Points

BT: Geometry

NT: Collinear points

Lattices

RT: Concurrent lines

Intersecting lines

Minimums

HN: 5.3 - BT Lines removed, BT Geometry added.

Poisonous animals

HN: 5.3 - Delete.

Poisonous plants

HN: 5.3 - Delete.

Polarisation

BT: Light

NT: Dichroism

HN: 5.3 - BT Optics removed, BT Light added.

Political parties

BT: Politics

NT: Caucus

Coalitions

RT: Policy

Political candidates

Politicians

HN: 5.3 - BT Organisations removed.

Pollen

BT: Plant reproduction

RT: Pollen analysis

HN: 5.3 - BT Flowers removed, BT Plant reproduction added.

Pollution

UF: Contamination

Environmental pollution

BT: Environmental management

NT: Air pollution

Light pollution

Noise pollution

Soil contamination

Water pollution

RT: Air quality

Bioindicators

Public health

Toxic waste

HN: 5.3 - BT Environment removed, BT Environmental management added.

Polonium

BT: Chemical elements

HN: 5.3 - BT Solids (Matter) removed

Polymers

USE: Polymerisation

HN: 5.3 - BT materials removed, USE Polymerisation added.

Population distribution (Demography)

BT: Demography

NT: Cities

Rural areas

Suburbs

Towns

Urbanisation

RT: Immigration

Migration

Settlement patterns

HN: 5.3 - Qualifier added.

Populations (Ecology)

UF: Population dynamics

BT: Ecosystems

NT: Animal migration

Competition (Ecology)

Conservation status

Pest control

Range (Ecology)

RT: Population (Sociology)

HN: 5.3 - BT Ecology removed, BT Ecosystems added.

Ports

BT: Marine engineering

RT: Harbours

HN: 4.6; 5.3 - BT Places removed, BT Marine engineering added.

Posters

UF: Picture posters

BT: Print media

Prints

NT: Film posters

RT: Advertising

Signs

HN: 5.3 - BT Decorative arts removed.

Potassium hydroxide

BT: Bases (Alkalis)

HN: 5.3 - BT Alkalis removed, BT Bases (Chemistry) added. Changed from Potassium hydroxides to singular form.

Potassium-argon dating

BT: Archaeological dating

Radiometric dating

HN: 5.3 - BT Radiometric dating added, Hyphen added.

Potential energy

UF: Stored energy

BT: Mechanical energy

NT: Chemical energy

Elastic energy

Gravitational potential

RT: Batteries

Energy storage

HN: 5.3 - BT Energy removed, BT Mechanical energy added. Changed from Stored energy to potential energy.

Power (Forces)

BT: Work (Forces)

HN: 5.3 - Changed from Power (Mechanics) to Power (Forces). BT Mechanics removed, BT Work (Forces) added.

Power (Political sciences)

BT: Political sciences

NT: Agenda setting

Empowerment

Judicial power

Political power

Power structure

Self determination

RT: Social structures

HN: 5.0 - Modified - formally Power (Social sciences). BT Social sciences removed.

Power generation

UF: Electricity generation

BT: Engineering

RT: Electricity

Generators

Power stations

HN: 5.2; 5.3 - BT Energy removed, BT Engineering added.

Power lines

BT: Power supply

HN: 5.3 - BT Electricity removed, BT Power supply added.

Power supply

UF: Electricity supply

BT: Electricity

NT: Energy use

Power failures

Power lines

RT: Electrical insulation

Energy resources

Generators

Power stations

HN: 5.3 - Changed from Electric power.

Precipitation (Mixtures)

BT: Separation (Mixtures)

HN: 5.3 - BT Analytical chemistry removed, BT Separation (Mixtures) added. Qualifier changed from Chemistry to Mixtures.

Predator prey relationship

USE: Predation

HN: 5.0 - BT Relationships removed; 5.3 - BT Animal behaviour removed, USE Predation added.

Predators

USE: Predation

HN: 5.3 - BT Animals removed, USE Predation added.

Predictions

UF: Hypotheses

BT: Scientific method

NT: Theories

RT: Hypothesis testing

HN: 5.3 - Changed from Predictions (Science) to Predictions, BT Estimation removed, BT Research added.

Preflight inspections

BT: Aviation safety

HN: 5.3 - BT Safety removed, BT Aviation safety added.

Prehistoric animals

USE: Extinct species

HN: 5.3 - BT Animals removed, USE Extinct species added.

Presentational drama

BT: Drama

RT: Brechtian drama

SN: Use for resources on a style of dramatic performance in which actors speak directly to the audience through breaking realistic style conventions.

HN: 5.3 - BT Performances (Arts) removed.

Pressure

BT: Kinetic energy

NT: Air pressure

Vacuums

RT: Boilers

Engines

Manometers

Pressure units

Thermal expansion

HN: 5.3 - BT Forces removed, BT Kinetic energy added.

Primates

BT: Placentals

NT: Chimpanzees

Humans

HN: 5.3 - BT Mammals removed, BT Placentals added.

Projection (Algebra)

BT: Algebra

HN: 5.3 - Changed from Projection (Mathematics) to Projection (Algebra). BT Mathematics removed, BT Algebra added.

Pronumerals

BT: Mathematical notation

RT: Numbers

HN: 5.3 - BT Mathematical concepts removed.

Proofs

BT: Mathematical expressions

HN: 5.3 - BT Mathematical concepts removed, BT Expressions added.

Propaganda

BT: Social influence

NT: Agitprop

RT: Agenda setting

Political theatre

HN: 5.0 - BT Publicity removed.

Propellers (Boats)

BT: Marine technology

HN: 5.3 - BT Boats removed.

Properties

BT: Classification

NT: Difference

Patterns

Similarity

HN: 5.3 - Qualifier removed.

Properties of matter

UF: Chemical properties

BT: Matter

NT: Boiling point

Conductivity

Density

Durability
 Elasticity (Deformation)
 Electronegativity
 Flash point
 Hardness
 Mass
 Molecular weight
 pH
 Phase transformations
 Solubility
 Strength
 Temperature
 Transparency
 RT: Materials
 HN: 5.3 - Made preferred term. BT
 Chemistry added.

Proportions
 UF: Balance (Visual arts)
 BT: Mathematics
 NT: Fractions
 Percentages
 Ratios
 Scale (Mathematics)
 RT: Symmetry
 HN: 5.3 - BT Mathematical concepts and
 BT Visual arts elements removed, BT
 Mathematics added.

Proteins
 BT: Carboxylic acids
 NT: Amino acids
 Enzymes
 Peptides
 RT: Meat
 Nutrition
 HN: 5.3 - BT Biochemicals removed, BT
 Carboxylic acids added.

Protists
 BT: Eukaryotes
 NT: Algae
 Protozoans
 Slime moulds
 HN: 5.3 - BT Biology removed, BT
 Eukaryotes added.

Protons
 BT: Elementary particles
 HN: 5.3 - BT Elementary particles added.

Public archives
 USE: Archives
 HN: 5.3 - BT Archives removed, USE
 Archives added.

Public land
 BT: Natural resources
 NT: Parks
 RT: Landforms

HN: 5.3 - Changed from Land to Public
 land.

Public relations
 BT: Marketing
 NT: Customer relations
 RT: Public opinion
 HN: 5.0 - BT Business removed, Business
 and enterprise added. 5.3 - BT Business and
 enterprise removed, BT Marketing added.

Pulse
 BT: Arteries
 HN: 5.3 - BT Circulatory system removed,
 BT Arteries added.

Pupae
 BT: Metamorphosis
 HN: 5.2; 5.3 - BT Life cycles removed, BT
 Metamorphosis added.

Purism
 UF: Purist art
 BT: Modern art
 NT: Purist architecture
 HN: 5.3 - BT Visual arts removed.

Purist art
 USE: Purism
 HN: 5.3 - BT Painting and BT Purism
 removed, USE Purism added.

Pythagoras' theorem
 BT: Trigonometry
 HN: 5.3 - BT Theorems removed, BT
 Trigonometry added.

Quantum mechanics
 USE: Fundamental forces
 HN: 5.3 - BT Nuclear physics removed,
 USE Fundamental forces added.

Quasars
 UF: QSO
 Quasi stellar radio sources
 BT: Universe
 HN: 5.3 - BT Universe removed, BT Space
 added.

Questionnaires
 UF: Surveys
 BT: Data collection
 RT: Surveying
 SN: Use for resources on surveys that
 examine written responses. For resources on
 examination or inspection in order to achieve a
 comprehensive view, as of a place, a situation,
 or an area of study, or to ascertain condition or
 value use Surveying.
 HN: 5.3 - BT Research removed.

Quokkas
 BT: Marsupials
 HN: 5.3 - BT Wallabies removed, BT Marsupials added.

Quotients
 USE: Division
 HN: 5.3 - BT Division removed, USE Division added.

Race
 BT: Humans
 NT: Moieties
 RT: Culture
 Ethnic groups
 Ethnicity
 Racial attitudes
 Racial conflict
 HN: 5.3 - BT Physical characteristics removed, BT Humans added.

Racehorses
 USE: Horseracing
 HN: 5.1; 5.3 - BT Horses removed, USE Horseracing added.

Racial discrimination
 USE: Racism
 HN: 5.3 - BT Discrimination removed, USE Racism added.

Radio
 UF: Radio studios
 Wireless
 BT: Mass media
 Nonprint media
 NT: Call signs
 Radio programs
 RT: Broadcasting studios
 Radio scripts
 Ratings
 HN: 5.3 - BT Broadcasting removed.

Radio documentaries
 BT: Radio programs
 RT: Documentaries
 Documentary drama
 HN: 5.3 - BT Documentaries and BT Radio removed, BT Radio programs added.

Radio drama
 UF: Audio drama
 Radio plays
 BT: Drama
 Radio programs
 NT: Radio comedies
 RT: Radio scripts
 HN: 5.3 - BT Radio removed.

Radioactivity
 BT: Atoms
 NT: Radioactive decay
 Radiometric dating
 RT: Geiger counters
 Nuclear fission
 Nuclear fusion
 Radioactive isotopes
 Scintillation counters
 HN: 5.3 - BT Nuclear chemistry removed, BT Atoms added.

Radiocarbon dating
 UF: Carbon dating
 BT: Radiometric dating
 RT: Carbon
 Isotopes
 HN: 5.3 - BT Carbon removed.

Radiometric dating
 BT: Archaeological dating
 Radioactivity
 NT: Potassium-argon dating
 Radiocarbon dating
 RT: Isotopes
 HN: 5.3 - Changed from Radioactive dating.

Radon
 BT: Chemical elements
 HN: 5.3 - BT Gases removed

Rainbands
 USE: Squalls
 HN: 5.3 - BT Tropical cyclones removed, USE Squalls added.

Random numbers
 BT: Numbers
 RT: Chance
 Sampling
 HN: 5.3 - BT Sampling removed, RT Sampling added.

Ratings
 BT: Market research
 RT: Radio
 Television
 HN: 5.3 - BT Measurement and Media issues removed, BT Market research added.

Ratios
 BT: Proportions
 RT: Fractions
 HN: 5.3 - BT Mathematical concepts removed, BT Proportions added.

Realist art
 USE: Social realism

SN: Use for resources on art that emphasises reality, where the naturalistic is emphasised over the idealised and may include unpleasant characteristics.

HN: 5.3 - BT Visual arts removed, USE Social realism added.

Recessive genes

BT: Genetic dominance

HN: 5.3 - BT Genes removed, BT Genetic dominance added.

Reciprocals

USE: Inverses

HN: 5.3 - BT Mathematical concepts removed, USE Inverses added.

Reconciliation

BT: Cultural interaction

RT: Aboriginal history

Racial conflict

Torres Strait Islander history

SN: Use for resources about the process of coming to agreement or harmony, especially initiatives to promote reconciliation between Aboriginal and Torres Strait Islander people and non-Aboriginal Australians.

HN: 5.0 - BT Cultural interaction added. 5.3 - Scope note rewritten, reference to capitalisation removed.

Recursion

BT: Iteration

HN: 5.3 - Changed from Recurring decimals to Recursion. BT Decimals removed, BT Iteration added.

Reflection

BT: Waves (Energy)

NT: Echo

Reflectivity

Total internal reflection

HN: 5.3 - BT Sound removed. Qualifier (Waves) removed.

Reflectivity

BT: Reflection

RT: Mirrors

HN: 5.3 - Changed from Reflectors to Reflectivity. BT Reflection (Light) removed, BT Reflection added.

Relativity

USE: General relativity

Special relativity

HN: 5.3 - BT Physics removed, USE General relativity and Special relativity added.

Religion

UF: Religious practices

BT: Culture

NT: Animism

Bahai Faith

Buddhism

Christianity

Confucianism

Deities

Dreaming

Evangelism

Gurus

Hinduism

Islam

Judaism

Missions

Mystery cults

Primal religion

Puritanism

Religious fundamentalism

Religious leaders

Sects

Shintoism

Sikhism

Taoism

Theism

Theology

Wicca

Worship

Zoroastrianism

RT: Inter faith dialogue

Martyrs

Religious conflict

Religious festivals

Sacred literature

HN: 5.0 - BT Social sciences removed, Culture added.

Renaissance revival art

USE: Renaissance revivalism

HN: 5.3 - BT Revival art removed, USE Renaissance revivalism added.

Renewable resources

USE: Renewable energy

HN: 5.3 - BT Natural resources removed, USE Renewable energy added.

Reporters

USE: Presenting

HN: 5.3 - BT Occupations removed, USE Presenting added.

Representational drama

BT: Drama

RT: Chekhovian drama

Fourth wall

SN: Use for resources about the style of dramatic performance in which actors portray reality and the audience observes.

HN: 5.3 - BT Performances (Arts) removed.

Resident action groups
USE: Resident action
HN: 5.3 - BT Groups removed, USE
Resident action added.

Respiratory system
BT: Structure and function (Animals)
NT: Gills
Respiration
RT: Diaphragm
Lungs
Throat
HN: 5.3 - BT Physiology removed, BT
Structure and function (Animals) added.

Responsibility
BT: Ethics
NT: Civic responsibility
Environmental stewardship
Global stewardship
Individual responsibility
Land custodianship
Legal responsibility
HN: 5.0 - BT Social behaviour added. RT
Ethics added. 5.3 - BT Social behaviour
removed, BT Ethics added.

Resting
BT: Animal behaviour
NT: Sleeping
HN: 5.3 - Changed from Rest (Health) to
Resting. BT Health removed, BT Animal
behaviour added.

Return on investment
UF: Rate of return
ROI
BT: Financial analysis
HN: 5.3 - BT Investment removed, BT
Financial analysis added.

Reverberation
BT: Echo
SN: Use for resources on multiple
reflections of sound. For resources on single
reflections of sound use Echo.
HN: 5.3 - BT Reflection (Waves) removed,
BT Echo added.

Reviews
BT: Criticism
Literary texts
NT: Book reviews
CD ROM reviews
Film reviews
Game reviews
Theatre reviews
RT: Arts criticism
Personal responses

SN: Use for resources that review,
summarise or analyse a literary text and
assesses its appeal and value.
HN: 5.3 - BT Aesthetics removed.

Revival art
USE: Revivalism
HN: 5.3 - BT Painting removed, USE
Revivalism added.

Revues
BT: Dance (Arts)
Musical theatre
RT: Cabaret
Music hall
Skits
HN: 5.1; 5.3 - BT Drama removed.

Richter scale
USE: Seismic scales
HN: 5.3 - BT Scales (Measurement)
removed, USE Seismic scales added.

Ridge lift
BT: Orographic lift
RT: Ridges
HN: 5.3 - BT Micrometeorology removed,
BT Orographic lift added.

River deltas
BT: Rivers
HN: 5.3 - Changed from Deltas to River
deltas. BT Landforms removed, BT Rivers
added.

RNA
UF: Ribonucleic acid
BT: Nucleic acids
RT: Genes
HN: 5.3 - Cells removed, Nucleic acids
added.

Rock eisteddfods
BT: Eisteddfods
NT: Wakakirri
HN: 5.3 - BT Festivals and BT Musical
theatre removed, BT Eisteddfods added.

Rock pools
UF: Tide pools
BT: Coasts
RT: Ponds
Seashore
HN: 5.3 - BT Marine ecology removed.

Rocks
UF: Pebbles
Petrology
BT: Earth's crust
NT: Igneous rocks

Magma
 Metamorphic rocks
 Sedimentary rocks
 RT: Minerals (Mineralogy)
 Soil
 Stone
 HN: 5.3 - BT Geology and BT Materials removed, BT Earth's surface added.

Rococo
 BT: Arts movements
 HN: 5.3 - BT Decorative arts and Design removed, BT Modernist art added.

Rodents
 BT: Mammals
 NT: Guinea pigs
 Mice
 Rats
 RT: Plague
 HN: 5.3 - BT Mammals removed, BT Placentals added.

Rods
 BT: Retina
 HN: 5.3 - BT Photoreceptors removed, BT Retina added.

Role playing
 UF: Role enactment
 Roleplaying
 BT: Education
 RT: Acting
 HN: 5.0 - BT Social role removed, BT Educational games added.

Roofing tiles
 BT: Roofs
 HN: 5.3 - BT Building materials removed, BT Roofs added.

Roots (Mathematics)
 BT: Arithmetic
 NT: Cube roots
 Square roots
 HN: 5.3 - BT Mathematical concepts removed, BT Arithmetic added.

Rotational grazing
 BT: Farming systems
 HN: 5.3 - BT Grazing removed, BT Farming systems added.

Rubber
 UF: Foam rubber
 Indian rubber
 Latex
 BT: Polymerisation
 HN: 5.3 - BT Polymers removed, BT Polymerisation added.

Rubbish
 UF: Litter
 BT: Waste management
 HN: 5.3 - BT Wastes removed, BT Waste management added.

Rugs
 UF: Rug making
 BT: Floor coverings
 Soft furnishings
 NT: Hooked rugs
 RT: Carpets
 Mats
 Weaving
 HN: 5.3 - BT Textile fabrics and BT Textile crafts removed.

Rumination (Digestion)
 UF: Cud chewing
 BT: Digestion
 RT: Ruminants
 HN: 5.3 - Changed from Ruminant digestive system to Rumination (Digestion).

Runoff
 BT: Stormwater
 HN: 5.3 - BT Drainage removed, BT Stormwater added.

Rural areas
 BT: Population distribution (Demography)
 HN: 5.3 - BT Places removed, BT Population distribution (Demography) added.

Sacred sites
 BT: Social customs
 NT: Burial sites
 Memorials
 RT: Historic sites
 HN: 5.0 - BT Significance of place removed, Places added; 5.3 - BT Places removed, BT Social customs added.

Saddles
 UF: Cols
 BT: Valleys
 HN: 5.3 - BT Landforms removed, BT Valleys added.

Safety
 UF: Accident prevention
 BT: Health
 NT: Accidents
 Aviation safety
 Carcinogens
 Fire prevention
 Hazardous materials
 Head restraints
 Injuries

Maritime safety
 Occupational health and safety
 Road safety
 Safety equipment
 School safety
 Water safety
 RT: Circuit breakers
 Earth wires
 National security
 HN: 5.3 - BT Environment removed, BT Health added.

Sails
 BT: Wind power
 RT: Lift (Aerodynamic)
 Marine technology
 Sailing
 Yachts
 HN: 5.3 - BT Marine technology removed.

Saliva
 BT: Exocrine glands
 HN: 5.3 - BT Body fluids and BT Digestion removed, BT Exocrine glands added.

Salmon
 BT: Bony fishes
 HN: 5.3 - BT Fish removed, BT Bony fishes added.

Salts
 BT: Inorganic compounds
 NT: Salt
 HN: 5.3 - BT Chemicals removed, BT Inorganic compounds added.

Sand
 UF: Quicksand
 BT: Soil types
 HN: 5.3 - BT Geology removed, BT Soil types added.

Sand dunes
 UF: Dunes
 Sandhills
 BT: Coasts
 HN: 5.3 - BT Seashore removed, BT Coasts added.

SARS
 UF: Severe Acute Respiratory Syndrome
 BT: Viral infections
 NT: Coronavirus
 HN: 5.3 - BT Viruses removed.

Satellite navigation
 USE: GPS
 Satellite communications
 HN: 5.3 - BT Navigation removed, USE Satellite communications and USE GPS added.

Satellites
 BT: Space technology
 NT: Weather satellites
 RT: Moons
 Remote sensing
 Spaceships
 HN: 5.3 - Changed from Artificial satellites to Satellites.

Satellites (Moons)
 USE: Moons
 HN: 5.3 - Scope note removed. Qualifier added. BT Satellite communication and BT Solar system removed, USE Moons added.

Saturation
 BT: Concentration (Mixtures)
 HN: 5.3 - BT Solutions removed, BT Concentration (Mixtures) added.

Scale (Mathematics)
 BT: Proportions
 HN: 5.3 - BT Mathematical concepts removed, BT Proportions added.

Scavenging
 BT: Animal feeding
 RT: Food webs
 HN: 5.3 - BT Animals removed, BT Animal feeding added. Changed from Scavengers to Scavenging.

Scientific instruments
 BT: Instrumentation (Technology)
 NT: Ammeters
 Astronomical instruments
 Cathode ray oscilloscopes
 Chemical apparatus
 Detectors
 Galvanometers
 Geiger counters
 Geographical information systems
 Light meters
 Meteorological instruments
 Microscopes
 Optical instruments
 Scintillation counters
 Seismographs
 Thermometers
 Transducers
 Voltmeters
 Wind tunnels
 RT: Measuring instruments
 HN: 5.0 - BT Science removed.

Scientific method
 BT: Science
 NT: Data collection
 Evaluation

Predictions
 Scientific control
 HN: 5.0 - BT Research removed, BT
 Science and BT Social sciences added. 5.3 -
 Changed from Research methodologies to
 Scientific method. BT Social science removed.

Screenplays
 USE: Film scripts
 HN: 5.3 - BT Drama, BT Films and BT
 Television removed, USE Film scripts added.

Sea floor spreading
 BT: Tectonic plates
 HN: 5.3 - BT Tectonics removed, BT
 Tectonic plates added.

Sea stars
 UF: Asteroidea
 Asteroideans
 Star fish
 Starfish
 BT: Echinoderms
 HN: 5.3 - USE Starfish removed, BT
 Echinoderms added.

Seashore
 UF: Rocky shore
 BT: Coasts
 RT: Beaches
 Oceans
 Rock pools
 HN: 5.3 - BT Landforms removed, BT
 Coasts added.

Seasons
 BT: Weather
 NT: Autumn
 Spring
 Summer
 Winter
 RT: Axial tilt
 Climate
 Equinoxes
 HN: 5.3 - BT Meteorology removed, BT
 Weather added.

Sectors
 BT: Planes
 HN: 5.3 - BT Plane geometry removed, BT
 Planes added.

Sedimentation
 UF: Deposition (Sediment)
 Diagenesis
 Sediments
 BT: Earth movements
 NT: Mud
 RT: Turbidity

HN: 5.3 - BT Geodynamics moved, BT
 Earth movements added.

Sediments
 USE: Sedimentary rocks
 Sedimentation
 HN: 5.3 - BT Materials and Sedimentation
 removed, USE Sedimentation and Sedimentary
 rocks added.

Seedlings
 BT: Plant growth
 RT: Germination
 HN: 5.3 - BT Plants removed, BT Plant
 growth added.

Seeds
 BT: Plant reproduction
 NT: Germination
 HN: 5.3 - BT Plant physiology removed, BT
 Plant reproduction added.

Seismic waves
 BT: Earth movements
 HN: 5.3 - BT Earth movements removed,
 BT Earthquakes added.

Selenium
 BT: Chemical elements
 HN: 5.3 - BT Solids (Matter) removed

Semiconductors
 USE: Semiconductivity
 HN: 5.3 - BT Electric conductors removed,
 USE Semiconductivity added.

Senses
 UF: Sensation
 BT: Structure and function (Animals)
 NT: Echolocation
 Echolocation (Animals)
 Electroreception
 Hearing
 Magnetoception
 Sensory deprivation
 Smell
 Taste
 Touch
 Vision

RT: Perception
 Sense organs
 Stimulation
 HN: 5.3 - BT Physiology removed, BT
 Structure and function (Animals) added.

Sensory deprivation
 BT: Senses
 RT: Perception
 HN: 5.3 - Remove BT Senses, BT not yet
 identified.

Settlement patterns
 UF: Land settlement
 BT: Demography
 NT: Coastal settlement
 Dispersed settlements
 Pioneers
 RT: Immigration
 Population distribution (Demography)
 HN: 5.3 - BT Land use removed, BT
 Demography added.

Sewage
 BT: Waste management
 RT: Pipes
 Plumbing
 Septic tanks
 HN: 5.3 - BT Wastes removed, BT Waste
 management added.

Sex industry
 UF: Prostitution
 BT: Service industry
 RT: Sex tourism
 HN: 5.3 - BT Industries removed, BT
 Service industry added.

Sexuality
 UF: Sexual preference
 BT: Personal identity
 NT: Heterosexuality
 Homosexuality
 Lesbianism
 RT: Sexual harassment
 HN: 5.3 - BT Representation removed, BT
 Personal identity added.

Shade
 USE: Shadows
 HN: 5.3 - BT Light removed, USE Shadows
 added.

Shadows
 UF: Penumbra
 Shade
 Shading
 Umbra
 BT: Light
 RT: Drawing
 HN: 5.3 - BT Shade removed, BT Light
 added.

Shapes (Geometry)
 UF: Plane figures
 Plane shapes
 Two dimensional shapes
 BT: Geometry
 NT: Bases (Mathematics)
 Circles
 Conics

Crescents
 Nets
 Polygons
 RT: Patterns
 HN: 5.3 - BT Geometric concepts removed,
 BT Geometry added.

Sharks
 BT: Cartilaginous fishes
 NT: White pointer sharks
 HN: 5.3 - BT Fishes removed, BT
 Cartilaginous fishes added.

Sheep
 BT: Ruminants
 NT: Mutton sheep
 Sheep breeds
 Wool sheep
 RT: Livestock
 Wool industry
 HN: 5.0 - BT Placentals added. RT
 Livestock added; 5.3 - BT Placentals removed,
 BT Ruminants added.

Shock resistant construction
 UF: Earthquake resistant construction
 BT: Building (Engineering)
 HN: 5.3 - BT Engineering removed, BT
 Building (Engineering) added.

Short wool British sheep breeds
 SN: Use for resources about short wool
 British sheep breeds including Dorset Horn,
 Southdown, Suffolk Down, Hampshire Down,
 Ryeland, Shropshire and Polled Dorset Horn.
 HN: 5.3 - Deleted.

Shrubs
 BT: Plant growth
 RT: Wood
 HN: 5.3 - BT Plants removed, BT Plant
 growth added.

Sieving (Adsorption)
 BT: Adsorption
 HN: 5.3 - BT Analytical chemistry removed,
 BT Adsorption added. Qualifier added.

Signs
 UF: Billboards
 Signboards
 BT: Graphic arts
 Print media
 RT: Advertisements
 Posters
 HN: 5.3 - BT Visual communication
 removed.

Silhouettes
 BT: Drawing

Portraits	RT: Consciousness
RT: Caricatures	HN: 5.0 - BT Health removed; 5.3 -
HN: 5.3 - BT Paper crafts removed.	Changed from Sleep to Sleeping. BT
	Physiology removed, BT Resting added.
Silicon	SMS
BT: Chemical elements	USE: Messaging
HN: 5.3 - BT Solids (Matter) removed	HN: 5.3 - USE Text messaging removed,
	USE Messaging added.
Silt	Soap operas
BT: Soil types	BT: Drama
HN: 5.3 - BT Sediment removed, BT Soils	Television programs
added.	RT: Commedia dell'arte
	Radio programs
Simulation	HN: 5.3 - BT Television removed.
BT: Data collection	Social and political systems
HN: 5.0 - BT Methods removed, Research	BT: Political sciences
methodologies added. 5.3 - BT Research	NT: Apartheid
removed, BT Data collection added.	Communism
	Democracy
Single glazing	Dictatorship
USE: Window glazing	Fascism
HN: 5.3 - BT Window glazing removed,	Federation
USE Window glazing added.	Feudalism
	Meritocracy
Sinking	Monarchy
USE: Buoyancy	Oligarchy
HN: 5.3 - BT Buoyancy removed, USE	Principate
Buoyancy added.	Republic
	Socialism
Size	Theocracy
UF: Magnitude	Tyranny
BT: Geometry	HN: 5.0 - Previously Social and Political
RT: Scale (Cartography)	systems. NTs of previous term Social systems
Size perception	added.
HN: 5.3 - BT Geometric concepts removed,	
BT Geometry added.	Social behaviour (Humans)
	UF: Social participation
Skeletal system	BT: Human behaviour
USE: Skeleton	NT: Gangs
HN: 5.3 - USE Muscular skeletal system	RT: Active citizenship
removed, USE Skeleton added.	Alienation
	Social customs
Skeleton	Social mobility
UF: Endoskeleton	HN: 5.3 - Qualifier added.
Skeletal system	
BT: Structure and function (Animals)	Social indicators
NT: Bones	UF: Quality of life
Exoskeleton	BT: Sociology
Joints	NT: Life chance
HN: 5.3 - BT Muscular skeletal system	Life expectancy
removed, BT Structure and function (Animals)	Living standards
added.	Modernisation
	Social mobility
Sky	Socioeconomic status
BT: Atmospheric light	RT: Trend analysis
HN: 5.3 - BT Atmosphere removed.	HN: 5.3 - BT Statistical data removed, BT
	Sociology added.
Sleeping	
BT: Resting	
NT: Dreams	

Social mobility
 UF: Class mobility
 BT: Social indicators
 RT: Social behaviour (Humans)
 Socioeconomic status
 HN: 5.0 - BT Social change removed, Social indicators and Social mobility added. 5.3 - BT Social structures removed.

Social services
 UF: Human services
 Social welfare
 BT: Public health
 NT: Animal welfare
 Charities
 Charity
 Child care
 Counselling services
 Crisis centres
 Employment agencies
 Health services
 Welfare services
 HN: 5.0 - BT Public health added, Services removed.

Social welfare
 USE: Social services
 HN: 5.3 - BT Social services removed, USE Social services added.

Sodium hydroxides
 BT: Bases (Alkalis)
 HN: 5.3 - BT Alkalis removed, BT Bases (Chemistry) added. Changed from Sodium hydroxides to singular form.

Soil
 BT: Earth's crust
 NT: Soil composition
 Soil fertility
 Soil formation
 Soil horizons
 Soil types
 RT: Mud
 Rocks
 Soil conservation
 HN: 5.3 - Changed from Soil sciences to Soil, BT Earth sciences removed, BT Earth's crust added.

Soil compaction
 BT: Land degradation
 RT: Landslides
 HN: 5.3 - BT Soil removed, BT Land degradation added.

Soil degradation
 BT: Land degradation
 RT: Acidification

Salinity
 Soil types
 HN: 5.3 - BT Ecology removed, BT Land degradation added.

Soil horizons
 UF: Soil profiles
 BT: Soil
 NT: Subsoil
 Topsoil
 RT: Soil composition
 Soil formation
 HN: 5.3 - Changed from Soil profiles to Soil horizons, BT Soils removed, BT Soil added.

Soil types
 BT: Soil
 NT: Clay
 Sand
 Silt
 RT: Salinity
 Soil degradation
 Soil water
 HN: 5.3 - BT Materials removed. Changed from Soils to Soil types.

Solar cells
 UF: Photovoltaic cells
 Solar batteries
 BT: Batteries
 RT: Solar energy
 HN: 5.3 - BT Solar energy removed, BT Batteries added.

Solar cookers
 UF: Solar ovens
 BT: Ovens
 HN: 5.3 - BT Solar energy removed, BT Ovens added.

Solar eclipses
 BT: Eclipses
 HN: 5.3 - Changed to plural form.

Solar ovens
 USE: Solar cookers
 HN: 5.3 - BT Ovens removed, USE Solar cookers added.

Solar radiation
 BT: Sun
 RT: Solar energy
 HN: 5.2 - changed to preferred term. 5.3 - BT Electromagnetic spectrum removed, BT Sun added.

Solar System
 BT: Planetary systems
 RT: Stars (Universe)

HN: 5.3 - BT Universe, BT Milky way and BT Universe removed, BT Planetary systems added. Changed from Solar system to Title case.

Solid geometry

USE: Solids (Geometry)

HN: 5.3 - BT Geometry removed, USE Solids (Geometry) added.

Solids (Geometry)

UF: Blocks

Solid geometry

Three dimensional shapes

BT: Geometry

NT: Bases (Mathematics)

Cones (Solids)

Cylinders

Edges

Faces (Mathematics)

Polyhedrons

Prisms

Spheres

RT: Nets

HN: 5.3 - Changed from Solids (Mathematics) to Solids (Geometry). BT Solid geometry removed BT Geometry added.

Solids (Matter)

BT: States of matter

NT: Crystals

Powders

RT: Chemical elements

Solutes

Sublimation

HN: 5.3 - BT Matter removed, BT States of matter added.

Solubility

UF: Dissolving

BT: Properties of matter

HN: 5.3 - BT Solutions removed, BT Properties of matter added.

Solutions

BT: Mixtures

NT: Solutes

Solvents

RT: Diffusion

HN: 5.3 - BT Chemistry removed, BT Mixtures added.

Solvents

BT: Solutions

RT: Liquids

HN: 5.3 - BT Solutions added, BT Fluids removed and BT Solutions removed.

Sonic booms

UF: Sound barrier

BT: Sound

HN: 5.3 - BT Sound waves removed, BT Sound added.

Sound

UF: Acoustics

Sound waves

BT: Vibration

NT: Pitch (Sound)

Sonic booms

Tone (Sound)

Ultrasound

Volume (Sound)

RT: Acoustic design

Kinetic energy

Music

Soundproofing

Waves (Energy)

HN: 5.3 - BT Kinetic energy removed, BT Vibration added.

Sound barrier

USE: Sonic booms

HN: 5.3 - BT Sound waves removed, USE Sonic booms added.

Sound waves

USE: Sound

HN: 5.3 - BT Sound and Waves (Physics) removed, USE Sound added.

Soundtracks

BT: Film making

RT: Sound recordings

HN: 5.3 - BT Sounds removed, BT Film making added.

South Pole

BT: Polar regions

HN: 5.3 - BT Earth removed, BT Polar regions added.

Space (Universe)

UF: Deep space

Outer space

BT: Universe

SN: Use for resources on the part of the universe which lies outside the atmosphere of celestial bodies and where the density of matter is low.

HN: 5.3 - Qualifier changed from Astronomy to Universe. Scope note added. BT Astronomy removed, BT Universe added.

Space biology

USE: Extraterrestrial life

HN: 5.0 - BT Space sciences removed, Biology added. 5.3 - Made non preferred term for Extraterrestrial life.

Space exploration
 BT: Celestial observation
 NT: Mars exploration
 Moon exploration
 Space probes
 Space stations
 RT: Astronomical observatories
 Space technology
 Universe
 HN: 5.0 - BT Space sciences removed, BT Exploration added; 5.3 - BT Exploration removed, BT Celestial observation added.

Space technology
 BT: Technology
 NT: Satellites
 RT: Space exploration
 HN: 5.3 - BT Space (Astronomy) removed.

Space warfare
 BT: Military campaigns
 HN: 5.0 - BT Space sciences removed, War added. RT War removed; 5.3 - BT War removed, BT Military campaigns added.

Sparrows
 BT: Passerines
 HN: 5.3 - BT Birds removed BT Passerines added.

Special effects
 UF: Effects
 Special effects designers
 BT: Film making
 NT: Slow motion
 Sound effects
 Visual effects
 HN: 5.0 - BT Performing arts removed; 5.3 - BT Media production removed, BT Film making added.

Spectroscopy
 BT: Electromagnetic radiation
 NT: Absorption spectroscopy
 Emission spectroscopy
 Flame tests
 HN: 5.3 - BT Chemical analysis removed, BT Electromagnetic radiation added.

Spider webs
 BT: Predation
 HN: 5.3 - BT Spiders removed, BT Predation added.

Spinal cord
 BT: Central nervous system
 RT: Spine
 HN: 5.3 - BT Nervous system removed, BT Central nervous system added.

Spores
 BT: Plant reproduction
 NT: Germination
 HN: 5.3 - BT Phant physiology removed, BT Plant reproduction added.

Spurs
 USE: Ridges
 HN: 5.3 - BT Landforms removed, USE Ridges added.

Squares (Arithmetic)
 BT: Arithmetic
 NT: Difference of squares
 Perfect squares
 HN: 5.3 - Changed from Squares (Indices) to Squares (Arithmetic). BT Indices and BT Mathematical concepts added, BT Arithmetic added.

Squatters
 BT: Pastoralists
 HN: 5.1; 5.3 - BT Settlement patterns removed, BT Pastoralists added.

Stability
 UF: Directional stability
 BT: Motion
 RT: Centre of gravity
 HN: 5.3 - BT Mechanics removed, BT Motion added.

Staff induction
 BT: Human resource management
 HN: 5.3 - Changed from Induction (Management) to Staff induction.

Stalking
 BT: Hunting
 SN: Use for resources on the action of quietly and secretly following an animal
 HN: 5.3 - BT Predator prey relationship removed, BT Hunting added.

Stall
 USE: Angle of attack
 HN: 5.3 - BT Angle of attack removed, USE Angle of attack added.

Star fish
 USE: Sea stars
 HN: 5.3 - USE Starfish removed, USE Sea stars added.

Starfish
 USE: Sea stars
 HN: 5.3 - BT Echinoderms removed, USE Sea stars added.

Stars (Universe)

UF: Sidereal system
 BT: Universe
 NT: Black holes
 Dwarf stars
 Nebulae
 Pulsars
 Red giants
 Sun
 RT: Solar System
 HN: 5.3 - BT Galaxies removed, BT Space (Astronomy) added.

Starvation
 BT: Nutrition
 RT: Malnutrition
 HN: 5.3 - BT Hunger removed, BT Nutrition (Animals) added.

States and territories
 UF: Territories
 BT: Countries
 RT: State government
 HN: 5.3 - BT Places removed, BT Countries added.

States of matter
 UF: Fluids
 Phases
 BT: Matter
 NT: BECs
 Gases
 Liquids
 Mixtures
 Plasmas
 Solids (Matter)
 HN: 5.3 - BT Physics removed, BT Matter added.

Statutory authority
 BT: Public administration
 HN: 5.3 - Changed to singular form. BT Organisations removed, BT Public administrations added.

Step parents
 USE: Blended families
 HN: 5.3 - BT Parents removed, USE Blended families added.

Stereotypes
 BT: Characters (Rhetorical device)
 Social influence
 RT: Archetypes
 Cultural characteristics
 HN: 5.3 - BT Attitude, BT Representation and BT Characters (Drama) removed.

Stimulation
 BT: Nervous system
 NT: Stress (Nerves)

RT: Senses
 HN: 5.3

Stinger
 BT: Body parts
 RT: Stings
 HN: 5.3 - BT Defensive system removed, BT Body parts added.

Stolen generations
 BT: Aboriginal history
 RT: Aboriginal peoples
 HN: 5.3 - Pluralised.

Stone
 UF: Stones
 BT: Materials
 RT: Rocks
 HN: 5.3 - BT Building materials removed, BT Materials added.

Stored energy
 USE: Potential energy
 HN: 5.3 - BT Energy removed, USE Potential energy added.

Stories in rhyme
 USE: Verse stories
 HN: 5.3 - BT Genres removed, USE Verse stories added.

Storm surges
 BT: Storms
 RT: Sea level
 Tropical cyclones
 HN: 5.3 - Changed from singular to plural. BT Tides removed, BT Storms added.

Storms
 UF: Gales
 Wind storms
 BT: Air masses
 Natural disasters
 NT: Blizzards
 Dust storms
 Sandstorms
 Storm surges
 Tornadoes
 Tropical cyclones
 HN: 5.3 - BT Weather removed, BT Air masses added.

Stormwater
 BT: Water supply
 NT: Drainage
 Runoff
 RT: Rain
 HN: 5.3 - BT Water removed, BT Water supply added.

Stratosphere
 BT: Atmospheric structure
 NT: Ozone layer
 HN: 5.3 - Atmosphere removed, Asmospheric structure added.

Street directories
 USE: Road maps
 HN: 5.3 - BT Maps removed, USE Road maps added.

Strength
 BT: Properties of matter
 HN: 5.3 - BT Mechanics removed, BT Properties of matter added.

Stress (Nerves)
 BT: Stimulation
 HN: 5.3 - BT Physiology removed, BT Stimulation added.

Structural engineering
 USE: Building (Engineering)
 HN: 5.3 - BT Engineering removed, USE Building (Engineering) added.

Structure and function (Plants)
 UF: Anatomy and physiology (Plants)
 Botany
 Plant anatomy
 Plant physiology
 BT: Life
 NT: Allelopathy
 Bulbs
 Fire tolerance (Plants)
 Flowering
 Leaves
 Plant growth
 Plant metabolism
 Plant nutrition
 Plant reproduction
 Plant sap
 Plant water relationship
 Roots (Plants)
 Stems (Plants)
 Vascular tissues (Plants)
 RT: Plant hormones
 Plants
 SN: Use for resources about the functioning of plants or their parts.
 HN: 5.3 - Changed from Plant physiology to Structure and function (Plants). BT Botany removed, BT Life added.

Subatomic particles
 USE: Elementary particles
 HN: 5.3 - BT Atoms and Nuclear physics removed, USE Elementary particles added.

Suburbs
 BT: Population distribution (Demography)
 NT: Inner suburbs
 Outer suburbs
 HN: 5.3 - BT Places removed, BT Population distribution (Demography) added.

Succulent plants
 BT: Dicots
 NT: Cacti
 HN: 5.3 - BT Plants removed, BT Dicots added.

Sufism
 BT: Islam
 HN: 5.3 - Changed from Sufis to Sufism.
 BT Holy people removed, BT Islam added.

Sulfur
 UF: Sulphur
 BT: Chemical elements
 HN: 5.3 - BT Solids (Matter) removed

Sun
 UF: Sol
 BT: Stars (Universe)
 NT: Solar flares
 Solar radiation
 Solar wind
 Sunlight
 Sunspots
 RT: Solar energy
 HN: 5.3 - BT Solar system removed.

Sunlight
 UF: Daylight
 Daytime
 Sunshine
 BT: Sun
 RT: Diurnalism
 Sunburn
 HN: 5.3 - BT Light removed, BT Sun added.

Sunspots
 BT: Sun
 HN: 5.3 - BT Meteorology removed, BT Sun added.

Surface chemistry
 USE: Surface tension
 HN: 5.3 - BT Chemistry removed, USE Surface tension added..

Surface friction
 USE: Static friction
 HN: 5.3 - BT Friction removed, USE Static friction added.

Surface tension
 UF: Surface chemistry
 Surface energy

BT: Cohesion (Forces)
 RT: Capillarity
 HN: 5.3 - BT Molecular forces removed, BT Cohesion (Forces) added.

Surveys
 USE: Questionnaires
 HN: 5.3 - BT Research removed, USE Questionnaires added.

Suspensions
 USE: Colloids
 HN: 5.3 - BT Mixing (Blending) removed, USE Colloids added.

Sustainable yields
 USE: Ecological sustainability
 HN: 5.3 - BT Resource management removed, USE Ecological sustainability added.

Swamps
 BT: Wetlands
 HN: 5.3 - BT Landforms removed, BT Wetlands added.

Sweat
 BT: Sweat glands
 RT: Sweating
 HN: 5.3 - BT Body fluids removed, BT Sweat glands added.

Symbiosis
 BT: Ecosystems
 NT: Commensalism
 Mutualism
 Parasitism
 HN: 5.3 - BT Ecology removed, BT Ecosystems added.

Symmetry
 UF: Asymmetry
 BT: Congruence
 NT: Line symmetry
 Rotational symmetry
 RT: Proportions
 HN: 5.3 - BT Geometric concepts removed, BT Congruence added.

Synoptic charts
 BT: Weather maps
 RT: Atmospheric pressure
 HN: 5.3 - Changed to plural form.

Tadpoles
 BT: Larvae
 RT: Frogs
 HN: 5.3 - BT Frogs removed, BT Larvae added.

Tanning

UF: Suntanning
 BT: Body marking
 HN: 5.3 - BT Skin removed, BT Body marking added.

Tapetum lucidum
 USE: Night vision
 HN: 5.3 - Changed from Tapeta to Tapetum lucidum. BT Retina removed, USE Night vision added.

Tears
 BT: Tear glands
 HN: 5.3 - BT Body fluids removed, Tear glands added.

Tectonics
 USE: Earth movements
 HN: 5.3 - BT Geodynamics removed, USE Earth movements added.

Teenage pregnancy
 BT: Birth rate
 RT: Adolescents
 HN: 5.3 - BT Pregnancy removed, BT Birth rate added.

Telegraph lines
 BT: Electric conductors
 RT: Telegraphy
 HN: 5.3 - BT Electric wires removed, BT Electric conductors added.

Television
 UF: Cable television
 Digital television
 Television studios
 BT: Mass media
 Nonprint media
 NT: Children's television
 Infotainment
 Pay TV
 Television programs
 RT: Broadcasting studios
 Ratings
 Televisions
 HN: 5.3 - BT Broadcasting removed.

Television documentaries
 BT: Television programs
 RT: Documentaries
 Documentary drama
 Documentary films
 HN: 5.3 - BT Documentaries removed, BT Television programs added.

Television programs
 BT: Television
 NT: Children's television
 Educational television

Reality television	HN: 5.0 - BT Handicrafts added.
Sitcoms	
Soap operas	Theatrical costume
Television documentaries	UF: Stage costume
RT: Explanations	BT: Stagecraft
Expositions (Factual texts)	RT: Clothing
Factual descriptions	Costume
HN: 5.0 - BT Television added.	Dance costume
	HN: 5.3 - BT Costume removed.
Tellurium	
BT: Chemical elements	Theatrical production
HN: 5.3 - BT Solids (Matter) removed	USE: Stagecraft
	HN: 5.3 - BT Production (Drama) removed,
Temperature	USE Stagecraft added.
BT: Properties of matter	
NT: Ambient temperature	Thermal expansion
RT: Heat	UF: Contraction
Temperature units	BT: Heat
Thermometers	RT: Pressure
HN: 5.3 - BT Matter removed, BT	Volume (Geometry)
Properties of matter added.	HN: 5.3 - BT Physical processes removed,
	BT Heat added. Changed from Expansion to
Termites	Thermal expansion.
UF: Isoptera	
BT: Insects	Thermal insulation
HN: 5.3 - BT Ants removed, BT Insects	BT: Heat flow
added.	RT: Building insulation
	HN: 5.3 - BT Insulation removed, BT Heat
Territorial behaviour	flow added.
BT: Animal behaviour	
HN: 5.3 - USE Animal behaviour removed,	Thermal pollution
BT Animal behaviour added.	BT: Water pollution
Tessellations	RT: Coolants
BT: Planes	HN: 5.3 - BT Pollution removed, BT Water
RT: Polygons	pollution added.
HN: 5.3 - BT Plane geometry removed, BT	
Planes added.	Thermals
	BT: Air masses
Testosterone	RT: Cumulus clouds
BT: Androgens	HN: 5.3 - BT Micrometeorology removed,
HN: 5.3 - BT Hormones removed, BT	BT Air masses added.
Androgens added.	
Text messaging	Thermodynamics
USE: Messaging	USE: Heat flow
HN: 5.3 - BT Telecommunications removed,	HN: 5.3 - BT Dynamics (Mechanics)
USE Messaging added.	removed, USE Heat flow added.
Textile crafts	
UF: Fibre arts	Thorns
Home economics	BT: Stems
BT: Handicrafts	HN: 5.3 - BT Plant defences removed, BT
NT: Braiding	Stems added.
Dyeing	
Knitting	Threatened species
Lace making	BT: Conservation status
Needlework	NT: Endangered species
Passementerie	Extinct species
RT: Artisans	HN: 5.1; 5.3 - BT Biology removed,
Soft sculpture	Conservation status added.
	Thrust

UF: Push (Physical force)
 BT: Reciprocal actions
 RT: Acceleration
 Friction
 HN: 5.3 - BT Forces removed, BT Reciprocal reactions added.

Thunderstorms
 USE: Lightning
 HN: 5.3 - BT Storms removed, USE Lightning added.

Tie dyeing
 BT: Dyeing
 HN: 5.3 - BT Byes removed, BT Dyeing added.

Tigers
 BT: Felines
 HN: 5.2; 5.3 - BT Cats removed, BT Felines added.

Timber
 UF: Lumber
 BT: Materials
 RT: Wood
 HN: 5.3 - BT Wood removed, BT Building materials removed, BT Materials added.

Time
 UF: Chronology
 BT: Measurement
 RT: Clocks
 Distance time graph
 Time units
 HN: 5.3 - Qualifier removed.

Time travel
 BT: General relativity
 HN: 5.3 - BT Future and BT Physics removed, BT General relativity added.

Time units
 BT: Units of measurement
 NT: Centuries
 Day
 Decades
 Hours
 Minutes (Measurement)
 Months
 Night
 Seconds
 Weeks
 Years
 RT: Time
 HN: 5.3 - BT Time (Measurement) removed, BT Units of measurement added.

Time zones
 BT: Longitude

NT: Daylight saving
 Greenwich Mean Time
 HN: 5.3 - BT Time (Measurement) removed, BT Longitude added, RT Greenwich Mean Time added.

Tissue culture
 HN: 5.3 - Delete

Topographical drawing
 BT: Drawing
 HN: 5.3 - BT Map drawing removed, BT Drawing added.

Topography
 USE: Earth's crust
 HN: 5.3 - BT Geomorphology removed, USE Earth's surface added.

Topsoil
 BT: Soil horizons
 RT: Organic matter
 HN: 5.3 - BT Soils removed, BT Soil horizons added.

Torque
 BT: Rotational motion
 HN: 5.3 - BT Mechanics removed, BT Rotational motion added.

Tortoises
 BT: Turtles
 HN: 5.3 - BT Reptiles removed, BT Turtles added.

Total internal reflection
 BT: Reflection
 RT: Rainbows
 HN: 5.3 - BT Reflection (Light) removed, BT Reflection added.

Tourism
 UF: Sightseeing industry
 BT: Service industry
 NT: Ecotourism
 International tourism
 Local tourism
 Package tours
 Regional tourism
 Sex tourism
 Tourists
 RT: Travel
 HN: 5.0 - BT Industries added. RT Travel added; 5.3 - BT Industries removed, BT Service industry added.

Town planning
 BT: Land use
 NT: Urban renewal
 RT: Architecture

HN: 5.3 - BT Regional planning removed,
RT Urban ecology added.

Towns

BT: Population distribution (Demography)
HN: 5.3 - BT Places removed, BT
Population distribution (Demography) added.

Toxic waste

BT: Waste management
RT: Pollution
HN: 5.0 - BT Wastes added; 5.3 - BT
Wastes removed, BT Waste management
added.

Toxins

BT: Metabolism (Animals)
NT: Venom
SN: Use for resources on poisons produced
by certain animals plants and bacteria
HN: 5.3 - BT Poisons removed, BT
Metabolism (Animals) added.

Trace elements

BT: Minerals (Nutrition)
HN: 5.3 - BT Biochemicals removed, BT
Minerals (Food) added.

Transformation (Mathematics)

BT: Geometry
NT: Reflection (Mathematics)
Rotation
HN: 5.0 - BT Mathematics removed,
Geometry added. 5.3 - Changed to singular
form and qualifier added.

Translucent materials

USE: Transparency
HN: 5.3 - BT Material removed, USE
Transparency added.

Transparent materials

USE: Transparency
HN: 5.3 - BT Materials removed, USE
Transparency added.

Transpiration

BT: Plant water relationship
RT: Evaporation
HN: 5.3 - BT Plant physiology removed.

Transverse momentum

USE: Linear momentum
HN: 5.3 - BT Momentum removed, USE
Linear momentum added.

Tree diagrams

BT: Diagrams
RT: Probability
HN: 5.3 - BT Data representation removed.

Tree rings

UF: Dendrochronology
BT: Incremental dating
HN: 5.3 - BT Archaeological dating
removed, BT Incremental dating added.
Changed from Dendrochronology to Tree
rings.

Trees

BT: Plant growth
RT: Wood
HN: 5.3 - BT Plants removed, BT Plant
growth added.

Triangulation

BT: Geometry
HN: 5.3 - BT Geometric concepts removed,
BT Geometry added.

Tribology

USE: Friction
Lubrication
HN: 5.3 - BT Physics removed, USE
Friction and Lubrication added.

Trinomial expressions

BT: Polynomials
HN: 5.3 - Changed from Trinomial to
Trinomial expressions. BT Expressions
removed, BT Polynomial added.

Tropic of Cancer

BT: Parallels (Latitude)
HN: 5.3 - BT Earth removed, BT Parallels
added.

Tropic of Capricorn

BT: Parallels (Latitude)
HN: 5.3 - BT Earth removed, BT Parallels
added.

Tropical cyclones

UF: Hurricanes
Typhoons
BT: Low pressure systems
Storms
NT: Eye of the cyclone
Eyewall
RT: Cyclone warnings
Monsoons
Storm surges
HN: 5.2; 5.3 - BT Atmospheric pressure
removed, Low pressure systems added.

Troposphere

BT: Atmospheric structure
HN: 5.3 - Atmosphere removed,
Atmospheric structure added.

Trout
BT: Bony fishes
HN: 5.3 - BT Fish removed, BT Bony fishes added.

Tsunamis
UF: Tidal waves
BT: Natural disasters
Waves (Ocean)
RT: Earthquakes
HN: 5.3 - BT Oceans removed, BT Waves (Oceans) added.

Tuatara
BT: Reptiles
RT: Endangered species
HN: 5.3 - Changed from Tuataras, "s" removed.

Tukutuku
BT: Maori handicrafts
RT: Interior decoration
HN: 5.3 - BT Social customs removed.

Tuna
BT: Bony fishes
HN: 5.2; 5.3 - BT Fish removed, BT Bony fishes added.

Tunnels
BT: Structures
HN: 4.6; 5.3 - BT Built environment removed, BT Structures added.

Turbidity
BT: Water quality
RT: Sedimentation
HN: 5.3 - BT Sedimentation removed, BT Water quality added.

Ultraviolet rays
UF: Ultraviolet light
UV rays
BT: Electromagnetic radiation
NT: UVA
UVB
UVC
RT: Sunburn
Sunscreens
UV index
UV lamps
HN: 5.3 - BT Light rays removed, BT Electromagnetic spectrum added.

Umbra
USE: Shadows
HN: 5.3 - BT Eclipses and Shadows removed, USE Shadows added.

Unions

UF: Labour unions
Trade unions
BT: Industrial relations
NT: Compulsory unionism
Maritime unions
RT: Employer associations
Labour force
HN: 5.3 - BT Organisations removed, BT Industrial relations added.

Universe formation
UF: Cosmogony
Cosmography
Cosmology
BT: Universe
NT: Big Bang Theory
Creation
Steady state theory
Stellar evolution
HN: 5.3 - Changed from Universe to Universe formation.

Urbanisation
BT: Population distribution (Demography)
RT: Demography
Regional planning
Rural urban migration
HN: 5.0 - BT Population distribution added.
RT Population distribution removed.

Vapours
USE: Gases
HN: 5.3 - BT Gases removed, USE Gases added.

Variation (Biology)
USE: Biodiversity
Genetic variation
HN: 5.3 - BT Biology removed, made non preferred term for Biodiversity and Genetic variation.

Vegetables
BT: Food products
RT: Horticulture
HN: 5.3 - BT Plants removed.

Vegetation
BT: Earth's crust
NT: Forests
Grasslands
HN: 5.3 - USE Plants removed, BT Earth's crust added.

Vertebrates
BT: Chordates
NT: Amphibians
Birds
Fishes
Mammals

Reptiles
 RT: Single lens eyes
 HN: 5.3 - BT Animals removed, BT Chordates added.

Vertices
 UF: Corners
 BT: Angles
 HN: 5.3 - BT Mathematical concepts removed, BT Angles added.

Vibration
 BT: Mechanical energy
 NT: Sound
 RT: Waves (Energy)
 HN: 5.3 - BT Motion removed, BT Mechanical energy added.

Virtue
 BT: Personality
 HN: 5.3 - BT Ethics and BT Disposition removed, BT Personality added.

Viruses
 UF: Microbiology
 BT: Life
 RT: Bacteria
 Diseases
 Pathogens
 Public health
 Viral infections
 HN: 5.3 - BT Biology removed, BT Life sciences added. Qualifier removed.

Visible spectrum
 USE: Light
 HN: 5.3 - BT Light removed, USE Light added.

Visual impairment
 BT: Disabilities
 NT: Astigmatism
 Blindness
 Colour blindness
 Hyperopia
 Myopia
 Night blindness
 Presbyopia
 RT: Eye diseases
 HN: 5.3 - Changed from Vision defects to Visual impairment. BT Vision removed, BT Disabilities added.

Vitamins
 BT: Nutrition
 NT: Vitamin A
 RT: Food products
 HN: 5.3 - BT Biochemicals removed, BT Nutrition added.

Volcanic eruptions
 UF: Eruptions
 BT: Natural disasters
 NT: Lava
 RT: Volcanoes
 HN: 5.3 - BT Geophysics and BT Volcanoes removed.

Volcanoes
 BT: Mountains
 NT: Cinder cones
 Composite volcanoes
 Craters
 Fumaroles
 Shield volcanoes
 Volcanic plugs
 RT: Earthquakes
 Hotspots
 Igneous rocks
 Volcanic eruptions
 HN: 5.3 - BT Geodynamics removed.

Voltage
 UF: Potential difference
 BT: Electric currents
 RT: Voltmeters
 Volts
 HN: 5.3 - BT Electric power removed, Electric current added.

Volume (Geometry)
 UF: Capacity
 BT: Geometry
 RT: Capacity units
 Thermal expansion
 Volume units
 HN: 5.3 - BT Geometric concepts removed, BT Geometry added. Qualifier changed from Geometric concepts to Geometry.

Volumetric analysis
 USE: Titration
 HN: 5.3 - BT Analytical chemistry removed, USE Titration added.

Vox pop
 BT: Opinions
 HN: 5.3 - BT Radio removed, BT Opinions added. Changed from Vox pops to Vox pop.

Warm blooded animals
 BT: Body temperature
 HN: 5.3 - BT Animals removed, BT Body temperature added.

Warrens
 BT: Sheltering behaviour
 HN: 5.3 - BT Habitats removed, BT Animal shelters added.

Waste management
 UF: Wastes
 BT: Environmental management
 NT: Recycling
 Reusing
 Rubbish
 Sewage
 Toxic waste
 Waste disposal
 Wastewater
 RT: Compost
 Landfills
 HN: 5.0 - BT Wastes added; 5.3 - BT Wastes removed, BT Environmental management added.

Wastes
 USE: Waste management
 HN: 5.3 - BT Ecology removed, USE Waste management added.

Wastewater
 UF: Waste water
 BT: Waste management
 Water treatment
 NT: Greywater
 Recycled water
 HN: 5.3 - BT Water and BT Wastes removed BT Water treatment and BT Waste management added.

Water
 BT: Inorganic hydrides
 NT: Frost
 Ice
 Salinity
 Soil water
 Steam
 Water vapour
 RT: Water cycle
 Water supply
 HN: 5.3 - BT Earth sciences removed, BT Inorganic hydrides added.

Water pollution
 BT: Pollution
 NT: Algal blooms
 Oil spills
 Thermal pollution
 RT: Cholera
 HN: 5.3 - BT Public health removed.

Water repellent materials
 USE: Waterproofing
 HN: 5.3 - BT Materials removed, USE waterproofing added.

Water table
 USE: Groundwater

HN: 5.3 - BT Water supply removed, USE Groundwater added.

Wattles
 BT: Dicots
 HN: 5.3 - BT Evergreen trees removed, BT Dicots added.

Waveforms
 UF: Wave patterns
 BT: Waves (Energy)
 RT: Graphs
 Pitch (Music)
 HN: 5.3 - BT Compression waves removed, BT Waves (Energy) added.

Waves (Energy)
 BT: Forces and energy
 NT: Absorption (Waves)
 Amplitude
 Diffraction
 Frequency (Waves)
 Intensity
 Interference (Waves)
 Reflection
 Refraction
 Scattering
 Waveforms
 Wavelength
 RT: Cathode ray oscilloscopes
 Sound
 Vibration
 Waves (Ocean)
 HN: 5.3 - BT Motion removed, BT Forces added. Qualifier changed from Physics to Energy.

Wax
 BT: Artists' materials
 HN: 5.3 - BT Organic compounds removed.

Weather
 UF: Meteorology
 Weather forecasting
 BT: Earth and space
 NT: Air masses
 Climate
 Clouds
 Droughts
 Floods
 Humidity
 Lightning
 Precipitation (Meteorology)
 Seasons
 Winds
 RT: El Nino Southern Oscillation
 Equinoxes
 Weather control
 Weather maps
 Weathering

HN: 5.3 - BT Meteorology removed, BT Earth and space added.

Weather control

UF: Artificial weather control

Cloud seeding

Rain making

BT: Environmental management

RT: Weather

HN: 5.3 - BT Meteorology removed, BT Environmental management added.

Weather forecasting

USE: Weather

HN: 5.3 - BT Meteorology removed, USE Weather added.

Weather maps

UF: Meteorological maps

BT: Maps

NT: Synoptic charts

RT: Weather

HN: 5.3 - BT Weather removed.

Weather stations

UF: Meteorological observatories

Meteorological stations

BT: Meteorological instruments

HN: 5.3 - BT Meteorology removed, BT Meteorological instruments added.

Weathering

BT: Landforms

NT: Erosion

RT: Corrosion

Weather

HN: 5.3 - BT Climate and BT Geomorphology removed, BT Landforms added.

Web pages

BT: Websites

HN: 5.3 - BT Factual texts and BT Literary texts removed, BT Websites added.

Websites

BT: Internet

NT: Web pages

HN: 5.3 - BT Factual texts and BT Literary texts removed, BT Internet added.

Weeds

USE: Weed control

HN: 5.3 - BT Plants removed, USE Weed control added.

White ants

BT: Insects

HN: 5.1; 5.3 - USE Termites removed, BT Insects added.

White pointer sharks

BT: Sharks

HN: 5.3 - Changed to plural.

Wilderness areas

BT: Environmental preservation

HN: 5.3 - BT Environment removed, BT Environmental preservation added.

Wind power

UF: Wind energy

BT: Renewable energy

NT: Sails

RT: Windmills

HN: 5.3 - BT Energy resources removed, BT Renewable energy added.

Wind speed

BT: Speed

RT: Beaufort scale

Wind tunnels

HN: 5.3 - BT Winds removed, RT Beaufort scale added.

Wind storms

USE: Storms

HN: 5.3 - BT Storms removed, USE Storms added.

Windmills

BT: Turbines

RT: Wind power

HN: 5.3 - BT Wind power removed, BT Turbines added.

Window glazing

UF: Double glazing

Insulated glazing

Single glazing

BT: Building insulation

RT: Glass

HN: 5.3 - BT Windows removed, BT Insulation added. RT Windows added.

Winds

UF: Air currents

BT: Weather

NT: Jet streams

Local winds

Monsoons

Squalls

Trade winds

Wind direction

Wind shear

RT: Anemometers

Beaufort scale

Blizzards

Dust storms

HN: 5.3 - BT Air currents removed.

Women
 BT: Groups
 HN: 5.3 - USE Females removed, BT Groups added.

Wood
 BT: Xylem
 RT: Forestry
 Shrubs
 Timber
 Trees
 HN: 5.3 - BT Materials and Fuel removed, BT Xylem added.

Woodwork
 BT: Handicrafts
 Industrial arts
 NT: Marquetry
 RT: Cabinetmaking
 Carpentry
 HN: 5.3 - BT Decorative arts removed.

Wool sheep
 BT: Sheep
 HN: 5.3 - BT Sheep types removed, BT Sheep added.

Work (Forces)
 BT: Mechanical energy
 NT: Power (Forces)
 RT: Horsepower
 HN: 5.3 - Changed from Work (Mechanics) to Work (Forces). BT Mechanics removed, BT Mechanical energy added.

Wrens
 BT: Passerines
 HN: 5.3 - BT Birds removed BT Passerines added.

X-rays
 BT: Electromagnetic radiation
 HN: 5.3 - Hyphen added.

Xenon
 BT: Chemical elements
 HN: 5.3 - BT Gases removed

Xylem
 BT: Vascular tissues (Plants)
 NT: Wood
 HN: 5.3 - BT Plant physiology removed, BT Vascular tissue (Plants) added.

Yeasts
 BT: Fungi
 RT: Fermentation
 HN: 5.3 - Changed to plural form.

Zinc aluminium roofing
 BT: Roofs
 RT: Aluminium
 Zinc
 HN: 5.3 - BT Building materials removed, BT Roofs added.

Zodiac
 UF: Star signs
 BT: Constellations
 RT: Astrology
 HN: 5.2; 5.3 - BT Celestial spheres removed, BT Constellations added.

Zoology
 USE: Structure and function (Animals)
 HN: 5.0 - BT Science removed, Biology added; 5.3 - BT Biology removed, USE Structure and function (Animals) added.

Zoos
 BT: Parks
 RT: Animals
 HN: 5.3 - BT Recreational facilities removed, BT Parks added.

Deleted terms

279 terms are deleted in version 5.3 and are listed below.

Aboriginal organisations

HN: 5.3 - Deleted.

Agricultural engineering

HN: 5.3 - Deleted.

Alcoota Kolopsis

HN: 5.3 - Deleted.

Anatomy

SN: Use for resources on the structure of biological organisms. For resources on functioning of biological organisms use Physiology.

HN: 5.3 - Deleted.

Angle of incidence

HN: 5.3 - Deleted.

Angle of reflection

HN: 5.3 - Deleted.

Aquatic ecology

HN: 5.3 - Deleted.

Aquatic plants

HN: 5.3 - Deleted.

Architectural models

HN: 5.3 - Deleted.

Astronomical models

HN: 5.3 - Deleted.

Astrophysics

HN: 5.0 - RT Astronomy added. 5.3 - Deleted.

Australasian sheep breeds

SN: Use for resources on Australasian breeds of sheep including Corriedale, Polwarth, Zenith. Merinos are entered as separate headings under Australasian Merinos or Spanish Merinos.

HN: 5.3 - Deleted.

Bacillus

HN: 5.3 - Deleted.

Balance (Forces)

HN: 5.3 - Deleted.

Bedtime

HN: 5.3 - Deleted

Biochemicals

HN: 5.3 - BT Organic compounds removed. Deleted.

Biochemistry

HN: 5.3 - Deleted.

Biosphere

HN: 5.3 - Deleted.

Bioweather

SN: Use for resources on how weather affects health.

HN: 5.3 - Deleted.

Braces

HN: 5.3 - Deleted.

Building supplies

HN: 5.3 - Deleted.

Built environment

SN: Use for resources on the natural environment with the additions of structures made by humans, e.g. buildings, roads, monuments, dams.

HN: 5.3 - Deleted.

Bush regeneration

HN: 5.3 - Deleted.

CAD

HN: 5.3 - Deleted.

Carbon compounds

HN: 5.3 - Delete

Cathode rays

HN: 5.3 - Deleted.

Cation exchange

HN: 5.3 - Deleted.

Celestial objects

SN: Use for resources describing astronomical objects in the sky or visible heavens such as stars, planets and natural satellites.

HN: 5.3 - Deleted.	
Census data HN: 5.3 - Deleted.	Crests HN: 5.3 - Deleted.
Cetacea HN: 5.3 - Deleted.	Crusades HN: 5.3 - Deleted.
Chaos HN: 5.0 - Previously Chaos theory. BT Theories removed, BT Mathematical concepts added. 5.3 - Deleted.	Crystalline rocks HN: 5.3 - Deleted.
Chemicals HN: 5.3 - Deleted.	Cubist architecture HN: 5.3 - Deleted.
Chromium HN: 5.3 - Deleted.	Cultural cohesion HN: 5.3 - Deleted.
Climatic regions HN: 5.3 - Deleted.	Dance styles SN: Use for resources on collected works of styles within dance genres. For general resources on dance use Dance genres. For specific dance forms see the list under Dances (Dance forms) HN: 5.3 - Deleted.
Cloudiness HN: 5.3 - Deleted.	Days SN: Use for resources on days of the week or special days, e.g. Christmas. For resources on days as a description of time use Day. HN: 5.3 - Deleted.
Coatings HN: 5.3 - Deleted.	Decibel scale HN: 5.3 - Deleted.
Coccus HN: 5.3 - Deleted.	Deep sea sediments HN: 5.3 - Deleted.
Cold (Temperature) HN: 5.3 - Deleted.	Defensive system HN: 5.3 - Deleted.
Complete combustion HN: 5.3 - Deleted.	Delay HN: 5.3 - Deleted.
Compression waves HN: 5.3 - Deleted.	Desert ecology HN: 5.3 - Deleted.
Computer assisted design HN: 5.3 - Deleted.	Desert grasses HN: 5.3 - Deleted.
Congruent figures HN: 5.3 - Deleted.	Dioramas HN: 5.3 - Deleted.
Constitution of matter HN: 5.3 - Deleted.	Diplococcus HN: 5.3 - Deleted.
Convergence lifting HN: 5.3 - Deleted.	Diprotodon optatum HN: 5.3 - Deleted.
Coordinate geometry HN: 5.3 - Deleted.	Diprotodons HN: 5.3 - Deleted.
Cosmogony myths HN: 5.3 - Deleted.	
Couples HN: 5.3 - Deleted.	

Diprotodontoids HN: 5.3 - Deleted.	Environmental issues HN: 5.3 - Deleted.
Dividends (Arithmetic) HN: 5.3 - Deleted.	Environmental organisations HN: 5.3 - Deleted.
Dramatic texts HN: 5.3 - Deleted.	Environmental sciences HN: 5.3 - Deleted.
Dust HN: 5.3 - Deleted.	Environmental sounds HN: 5.3 - Deleted.
Equal addends HN: 5.3 - Deleted.	Environmental studies HN: 5.3 - Deleted.
Earthglow HN: 5.3 - Deleted.	Extinct birds SN: Use more general terms HN: 5.1; 5.3 - Deleted.
Earthlight HN: 5.3 - Deleted.	Extinct mammals SN: See also names of individual extinct mammals HN: 5.3 - Deleted.
Easterlies HN: 5.3 - Deleted.	Extinct marsupials HN: 5.3 - Deleted.
Eastern Europe HN: 5.3 - Deleted.	Extinct reptiles HN: 5.3 - Deleted.
Economic impact HN: 5.3 - Deleted.	FAAR HN: 5.3 - Deleted.
Economic models HN: 5.3 - Deleted.	Family Adaptation and Adjustment Response HN: 5.3 - Deleted.
Ekaltadeta HN: 5.3 - Deleted.	Farm management HN: 5.3 - Deleted.
Electrochemistry HN: 5.3 - Deleted.	Farm size HN: 5.3 - Deleted.
Endangered animals HN: 5.3 - Deleted.	Field trials HN: 5.3 - Deleted.
Endangered plants HN: 5.3 - Deleted.	Film design HN: 5.3 - Deleted.
Energy flow HN: 5.3 - Deleted.	Financial resources HN: 5.3 - Deleted.
Energy transfer HN: 5.3 - Deleted.	Fire HN: 5.3 - Deleted.
Environmental aspects HN: 5.3 - Deleted.	Fire ecology HN: 5.3 - Deleted.
Engineering models HN: 5.3 - Deleted.	Flagellum HN: 5.3 - Deleted.
Environmental education HN: 5.3 - Deleted.	

Fluid mechanics HN: 5.3 - Deleted.	Groundwater table HN: 5.3 - Deleted.
Fluid statics HN: 5.2; 5.3 - Deleted.	Group theory HN: 5.3 - Deleted.
Flying animals HN: 5.3 - Deleted.	Growth rate HN: 5.3 - Deleted.
Food consumption HN: 5.3 - Deleted.	Gusts HN: 5.3 - Deleted.
Forest ecology HN: 5.3 - Deleted.	Hazardous substances HN: 5.3 - Deleted.
Formulae HN: 5.1; 5.3 - Deleted.	High temperatures HN: 5.3 - Deleted.
Formulas HN: 5.1; 5.3 - Deleted.	Historical geology HN: 5.3 - Deleted.
Freshwater ecology HN: 5.3 - Deleted.	Home births HN: 5.3 - Deleted.
Freshwater plants HN: 5.1; 5.3 - Deleted.	Horizontal lines HN: 5.3 - Deleted.
Functions (Biology) HN: 5.3 - Deleted.	Hot HN: 5.3
Gas migration HN: 5.3 - Deleted.	Household chemicals HN: 5.3 - deleted
Geodesy HN: 5.3 - Deleted.	Human body HN: 5.3 - Deleted.
Geodynamics HN: 5.3 - Deleted.	Human environment HN: 5.3 - Deleted.
Geometric concepts HN: 5.3 - Deleted.	Human environment relationship HN: 5.3 - Deleted.
Geomorphology HN: 5.3 - Deleted.	Human life cycles HN: 5.3 - Deleted.
Geophysics HN: 5.3 - Deleted.	Hydrostatics HN: 5.2; 5.3 - Deleted.
Grip HN: 5.3 - Deleted.	Incomplete combustion HN: 5.3 - Deleted.
Ground animals HN: 5.3 - Deleted.	International organisations HN: 5.3 - Deleted.
Groundwater level HN: 5.3 - Deleted.	Karnaugh maps HN: 5.3 - Deleted.
Groundwater surface HN: 5.3 - Deleted.	Kinetics HN: 5.3 - Deleted.

Kohanga HN: 5.3 - Deleted.	Manmade sounds HN: 5.3 - Deleted.
Kolopsis torus HN: 5.3 - BT Deleted.	Marine mammals HN: 5.3 - Deleted.
Lake ecology HN: 5.3 - Deleted.	Marine biology HN: 5.3 - Deleted.
Land contamination HN: 5.3 - Deleted.	Marine ecology HN: 5.3 - Deleted.
Land management SN: Use for resources about Aboriginal or Torres Strait Islander land management practices. HN: 5.3 - Deleted.	Marine geology HN: 5.3 - Deleted.
Law of reflection HN: 5.3 - Deleted.	Marine mammals HN: 5.3 - Deleted.
Laws of motion HN: 5.3 - Deleted	Marine science HN: 5.3 - Deleted.
Life cycles HN: 5.3 - Deleted.	Marine systems HN: 5.3 - Deleted.
Lift/Drag Ratio SN: Use for resources about the measure of efficiency of a wing. HN: 5.3 - Deleted.	Mathematical concepts HN: 5.3 - Deleted.
Light amplification by stimulated emission of radiation HN: 5.3 - Deleted.	Mathematical models HN: 5.3 - Deleted
Loess HN: 5.3 - Deleted.	Megafauna HN: 5.3 - Deleted.
Long wool British sheep breeds SN: Use for resources on Long wool British sheep breeds including Border Leicester, Lincoln Leicester and Romney Marsh. HN: 5.3 - Deleted.	Megalanis prisca HN: 5.3 - Deleted.
Longitudinal waves HN: 5.3 - Deleted.	Microbiologists HN: 5.0 - Modification - NP. 5.3 - Delete.
Low temperatures HN: 5.3 - Deleted.	Micrometeorology HN: 5.3 - Deleted.
Lower eyelids HN: 5.3 - Deleted.	Military organisations HN: 5.3 - Deleted.
Magnetic repulsion HN: 5.3 - Deleted.	Mineralogy HN: 5.3 - Deleted.
Man made sounds HN: 5.3 - Deleted.	Monogastric digestive systems HN: 5.3 - Deleted.
	Musculoskeletal system HN: 5.3 - Deleted.
	Natural sounds HN: 5.3 - Deleted
	Nictitating membrane HN: 5.3 - Deleted.

Nights SN: Use for resources on special nights, e.g. Walpurgis Night. For resources on nights as a description of time use Night. HN: 5.3 - Deleted.	Poisonous animals HN: 5.3 - Deleted.
Nino HN: 5.3 - Deleted.	Poisonous plants HN: 5.3 - Deleted.
Northerlies HN: 5.3 - Deleted.	Pond ecology HN: 5.3 - Deleted.
Nuclear stability HN: 5.3 - Deleted.	Predictions (Mathematics) HN: 5.3 - Deleted.
Oil migration HN: 5.3 - Deleted.	Presenters HN: 5.3 - Deleted.
Palaeozoologists HN: 5.3 - Deleted.	Prime time HN: 5.3 - Deleted.
Palaeozoology HN: 5.3 - Deleted.	Procoptodon goliah HN: 5.3 - Deleted.
Palorchestes painei HN: 5.3 - Deleted.	Properties (Mathematics) HN: 5.3 - Deleted.
Paper products HN: 5.3 - Deleted.	Properties (Theatre) HN: 5.3 - Deleted.
Parabolic reflectors HN: 5.3 - Deleted.	Pull (Physical force) HN: 5.3 - Deleted.
Particles HN: 5.3 - Deleted.	Push (Magnetic force) HN: 5.3 - Deleted.
Pasture management HN: 5.3 - Deleted.	Qualitative research HN: 5.3 - Deleted.
Permanent change HN: 5.3 - Deleted.	Quantitative research HN: 5.3 - Deleted.
Photographic chemicals HN: 5.3 - Deleted.	Radioastronomy HN: 5.1; 5.3 - Deleted.
Photographic chemistry HN: 5.3 - Deleted.	Reaction force HN: 5.3 - Deleted.
Piezoelectric effect HN: 5.3 - Deleted.	Reflection (Light) HN: 5.3 - Deleted.
Pigments (Biochemicals) HN: 5.0; 5.3 - Deleted.	Refraction (Light) HN: 5.3 - Deleted.
Plane geometry HN: 5.3 - Deleted.	Regions HN: 5.3 - Deleted.
Plans HN: 5.3 - Deleted.	Representation HN: 5.3 - Deleted.
	Repulsion HN: 5.3 - Deleted.

Resource use HN: 5.3 - Deleted.	Space (Visual arts) HN: 5.3 - Deleted.
River ecology HN: 5.3 - Deleted.	Space and time HN: 5.3 - Deleted.
Rock samples HN: 5.3 - Deleted.	Special weeks HN: 5.3 - Deleted.
Romantic art HN: 5.3 - Deleted.	Spectrum HN: 5.3 - Deleted.
Romantic painters HN: 5.3 - Deleted.	Spiderlings HN: 5.3 - Deleted.
Samoan customs HN: 5.3 - Deleted.	Spirulina oscillatoria HN: 5.3 - Deleted.
Screen drama HN: 5.3 - Deleted.	Standard time HN: 5.3 - Deleted.
Sea breezes HN: 5.3 - Deleted.	Statics HN: 5.3 - Deleted.
Self defence in animals HN: 5.3 - Deleted.	Stigmatism HN: 5.3 - Deleted.
Self protection in animals HN: 5.3 - Deleted.	Stratigraphic geology HN: 5.3 - Deleted.
Sheep types HN: 5.3 - Deleted.	Streptococcus mutans HN: 5.3 - Deleted.
Short wool British sheep breeds HN: 5.3 - Deleted.	Structural geology HN: 5.0 - BT Geology added; 5.3 - Deleted.
Shrinkage HN: 5.3 - Deleted.	Subtropical highs HN: 5.3 - Deleted.
Slippage HN: 5.3 - Deleted.	Sun rotation HN: 5.3 - Deleted.
Social cohesion HN: 5.3 - Deleted.	Sun trajectory HN: 5.3 - Deleted.
Soil analysis HN: 5.3 - Deleted.	Swamp ecology HN: 5.3 - Deleted.
Soil ecology HN: 5.3 - Deleted.	Tertiary period HN: 5.3 - Deleted.
Sounds HN: 5.3 - Deleted.	Theorems HN: 5.3 - Deleted.
Southerlies HN: 5.3 - Deleted.	Theory of Relativity HN: 5.3 - Deleted.
Space (Performing arts) HN: 5.3 - Deleted.	Thylacoleo carnifex HN: 5.3 - Deleted.

Time (Music)

HN: 5.3 - Deleted.

Time and space

HN: 5.3 - Deleted.

Time periods

HN: 5.3 - Deleted

Tissue culture

HN: 5.3 - Delete

Topographic models

HN: 5.3 - Deleted.

Torres Strait Islander Creole

HN: 5.3 - Deleted.

Torres Strait Islander organisations

HN: 5.3 - Deleted.

Troughs

HN: 5.3 - Deleted.

Unbalanced forces

SN: Use for resources about the unbalanced state when forces acting on an object are not equal in magnitude and opposite in direction.

HN: 5.3 - Deleted.

Ununnilium

HN: 5.3 - Deleted.

Ununonium

HN: 5.3 - Deleted.

Upper eyelids

HN: 5.3 - Deleted.

Urban ecology

HN: 5.3 - Deleted.

Urban environment

HN: 5.3 - Deleted.

Vertical lines

HN: 5.3 - Deleted.

Volunteer organisations

SN: Use for resources on collective voluntary activities. For resources on individuals noted for their voluntary work contributions use Unpaid employment

HN: 5.3 - Deleted.

Weather models

HN: 5.3 - Deleted.

Weather symbols

HN: 5.3 - Deleted.

Westerlies

HN: 5.3 - Deleted.

Wetland ecology

HN: 5.3 - Deleted.

Zygomaturus trilobus

HN: 5.3 - Deleted.