## Approvals

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## Disclaimer

"The material contained in this report is for general information purposes only. Any use of the material is at your own risk. To the extent permitted by law Curriculum Corporation will not be liable for any loss or damage suffered as a result of any party relying upon this report."
1.0 Introduction

1.1 Purpose
Report changes to the Schools Online Thesaurus.

1.2 Audience
ScOT Consultative Group and other interested parties.

1.3 Background
The National Curriculum Board published four shaping papers and a précis on May 8 2009. These papers cover the curriculum framework for English, Mathematics, Science and History. The shaping papers include many terms that are not explicitly covered in the ScOT thesaurus. Given the national significance of the curriculum frameworks, it is imperative that ScOT be revised to include all relevant terminology. Therefore, the report below includes revisions that cover key concepts.

This is a significant round of revisions. Further extensions will be needed when detailed curricula are published by the Australian Curriculum, Assessment and Reporting Authority (ACARA) in early 2010. There are few additions and changes in other areas arising from ongoing maintenance.

2.0 Web Service updates vs. Version updates

The first public ‘point release’ of ScOT was v3.1 in 2003. Since then all updates including new terms, term record modifications and withdrawn terms have been released in batches – v6.4 is the latest batch of updates.

Version releases follow a cycle of feedback from users, revision by curriculum experts and consultation with school jurisdictions and education agencies via the ScOT Consultative Group.
The ScOT Management Group has final approval of each release. This quality assurance process continues to be invaluable to the relevance and currency of ScOT to the ANZ school sector.

ScOTv6.4 is also the first version release since the ScOT Web Service went live. The Web Service is an online method of distributing ScOT data to licensed users and is ideal for integration with cataloguing, search and retrieval systems.

The Web Service allows users to get term updates as they are approved rather than when they are released in batches. Updating systems and records via Web Service means that maintenance and performance loads can be evenly distributed throughout the revision cycle. It also ensures that the responsiveness of ScOT to changes in school curriculum is not wasted on its users: cataloguing, search and retrieval systems can update with ScOT changes as they occur.

The Web Service is the only method of getting SKOS RDF and VDEX xml formats – both are emerging as important standards in vocabulary management.

The ScOT Web Service is available to registered users at http://scot.curriculum.edu.au/download.asp.
3.0 **Approved terms**

Approved terms are new in ScOTv6.4. Terms identifiers or “Term Numbers” are included (TNR).

- **Abstraction**
  - BT: Problem solving
  - RT: Imagination
  - TNR: 11996

- **Algebraic methods**
  - USE: Algebra
  - TNR: 11826

- **Algebraic patterns**
  - USE: Number patterns
  - TNR: 11865

- **Alpine glaciers**
  - UF: Mountain glaciers
  - Valley glaciers
  - BT: Glaciers
  - NT: Moraines
  - TNR: 12014

- **American English**
  - BT: English language
  - TNR: 12018

- **Amount of substance**
  - UF: Mol
  - Moles (Units)
  - BT: Units of measurement
  - TNR: 11866

- **Animal kingdom**
  - USE: Animals
  - TNR: 12020

- **Argumentation (Conflicts)**
  - USE: Conflict (Human relations)
  - TNR: 12021

- **Argumentation (Reasoning)**
  - USE: Reasoning
  - TNR: 11997

- **Argumentation (Texts)**
  - USE: Discussions
  - TNR: 12022

- **Arguments (Variables)**
  - USE: Independent variables
  - TNR: 12023

- **Arithmetic progression**
  - USE: Arithmetic series
  - TNR: 11870

- **Arithmetic series**
  - UF: Arithmetic progression
  - BT: Series
  - TNR: 11869

- **Auditory perception**
  - USE: Hearing
  - TNR: 11981

- **Aural comprehension**
  - USE: Listening skills
  - TNR: 12198

- **Authentic objects**
  - USE: Artefacts
  - TNR: 12025

- **Authentic texts**
  - USE: Authenticity (Texts)
  - TNR: 12028

- **Authenticity (Objects)**
  - USE: Artefacts
  - TNR: 12026

- **Authentication (Texts)**
  - UF: Authentic texts
  - BT: Composing (Texts)
  - TNR: 12027

- **Bases (Indices)**
  - BT: Indices
TNR: 11871
Basic modern Latin alphabet
USE: Modern Latin alphabet
TNR:
Bell-shaped curves
USE: Normal distributions
TNR: 11873
Bell curves
USE: Normal distributions
TNR: 11874
Bels
USE: Volume (Sound)
TNR: 11876
Binomial distributions
BT: Distributions (Statistics)
TNR: 11877
Borders (National)
USE: National borders
TNR: 12030
Brainstorming
BT: Problem solving
TNR: 11995
British English
BT: English language
TNR: 12019
Candelas
USE: Energy units
TNR: 11885
Cardinality
UF: Cardinal numbers
BT: Sets (Algebra)
TNR: 11827
Cartesian coordinates
BT: Coordinates
TNR: 11886
Categorical data
USE: Categorical distributions
TNR: 11855
Categorical distributions
UF: Categorical data
Nominal data
Ordinal data
BT: Distributions (Statistics)
TNR: 11854
Causality
UF: Causation
Cause and effect
Causes and effects
Consequences
BT: Reasoning
TNR: 12031
Causation
USE: Causality
TNR: 12032
Cause and effect
USE: Causality
TNR: 12033
Causes and effects
USE: Causality
TNR: 12034
Chance and data
USE: Statistics and probability
TNR: 11887
Charts (Maps)
USE: Maps
TNR: 11888
Chronological order
BT: Time
TNR: 12035
Circular functions
BT: Trigonometric functions
TNR: 11889
Climate adaption
UF: Climatic adaption
BT: Adaptation (Evolution)
RT: Climate change
TNR: 12036
Climate variability
USE: Climate change
Climatic adaption
USE: Climate adaption
TNR: 12037

Cloisters (Walkways)
USE: Walkways
TNR: 12040

Collision theory
USE: Kinetic theory
TNR: 12041

Complement (Sets)
BT: Sets (Algebra)
TNR: 11890

Completing the square
BT: Quadratic equations
RT: Polynomials
TNR: 11891

Consequences
USE: Causality
TNR: 12042

Contentions
USE: Controversy
TNR: 12044

Contestability
USE: Dissent
TNR: 12046

Contestation
USE: Dissent
TNR: 12045

Continuity (Data)
USE: Data continuity
TNR: 11892

Continuity (Film making)
BT: Film making
TNR: 12047

Continuous data
USE: Data continuity
TNR: 11828

Continuous distributions
BT: Distributions (Statistics)
TNR: 11893

Controversy
UF: Contentions
BT: Expositions (Factual texts)
TNR: 12043

Cosecant
BT: Trigonometric functions
TNR: 11894

Cotangent
BT: Trigonometric functions
TNR: 11895

Counting methods
USE: Permutations and combinations
TNR: 11857

Creating (Texts)
USE: Composing (Texts)
TNR: 12048

Creation (Texts)
USE: Composing (Texts)
TNR: 12049

Creative writing
USE: Literary texts
TNR: 12050

Creators (Deities)
USE: Deities
TNR: 12051

Creators (Texts)
USE: Composers (Texts)
TNR: 12052

Cumulative frequency graphs
BT: Graphs
TNR: 11896

Daily life
USE: Lifestyles
Data logging
BT: Data collection
TNR: 12054

Data plots
USE: Data representation
TNR:

Data types
BT: Distributions (Statistics)
TNR: 11897

Day dreaming
USE: Daydreams
TNR: 12056

Decimal expansions
UF: Expanded form
Expanded sets
BT: Decimal system
TNR: 11834

Deduction (Logic)
USE: Deductive reasoning
TNR: 12059

Deduction (Number operations)
USE: Subtraction
TNR: 12060

Deductions (Expenses)
USE: Expenses
TNR: 12058

Deductive logic
USE: Deductive reasoning
TNR: 12061

Derivatives (Functions)
USE: Differentiation
TNR: 11840

Derivatives (Investments)
USE: Investment
TNR: 11842

Derived functions
USE: Differentiation
TNR: 11841

Differences (Number operations)
USE: Subtraction
TNR: 11898

Differentials (Functions)
USE: Differentiation
TNR: 11843

Differentials (Gears)
USE: Gears
TNR: 11844

Differentiation
UF: Derivatives (Functions)
Derived functions
Differentials (Functions)
BT: Functions and relations
NT: Stationary points
TNR: 11839

Digital technology
USE: Information technology
TNR: 12062

Dilation
UF: Enlargement
Reduction
BT: Transformation (Geometry)
TNR: 11899

Discrete distributions
UF: Discrete data
BT: Distributions (Statistics)
TNR: 11833

Distributions (Statistics)
UF: Probability distributions
Statistical distributions
BT: Statistics and probability
NT: Binomial distributions
Categorical distributions
Continuous distributions
Data types
Discrete distributions
Geometric distribution
Normal distributions
Poisson distributions
TNR: 11832

Drift ice
USE: Sea ice
TNR: 11984

Dutch alphabet
USE: Modern Latin alphabet
TNR:

Earth science
USE: Earth and space
TNR: 12063

Elapsed time
BT: Time
TNR: 11901

Elementary education
USE: Primary education
TNR: 12064

Elementary schools
USE: Primary schools
TNR: 12065

Empires
USE: Imperialism
TNR: 12066

Energy transfer
USE: Energy conversion
TNR: 12067

English alphabet
UF: Alphabet (English)
BT: Modern Latin alphabet
TNR:

Enlargement
USE: Dilation
TNR: 11900

Euclidean geometry
USE: Geometry
TNR: 11902

Expanded form
USE: Decimal expansions
TNR: 11835

Extrapolation
BT: Estimation
TNR: 11903

Extrema
UF: Extremum
Maxima and minima
Maximum points
Minimum points
Minimums
BT: Stationary points
TNR: 11847

Factorisation
BT: Decomposition (Arithmetic)
TNR: 11904

Fall-out (Information retrieval)
USE: Recall (Information retrieval)
TNR: 12128

Fast ice
USE: Sea ice
TNR: 11985

Film theatres
USE: Cinemas (Buildings)
TNR: 12068

Forgery
USE: Fraud
TNR: 12069

Formal grammar
USE: Grammar
TNR: 12070

Fractals
BT: Self-similarity
TNR: 11838

Fractional indices
BT: Indices
TNR: 11905

Frequency polygons
BT: Graphs
TNR: 11906

Frequency units
USE: Hertz  
TNR: 11907

Friendly numbers  
USE: Amicable numbers  
TNR: 11825

Functional grammar  
USE: Grammar  
TNR: 12071

Gaussian distributions  
USE: Normal distributions  
TNR: 11875

Geometric distribution  
BT: Distributions (Statistics)  
TNR: 11908

Geometric progressions  
USE: Geometric series  
TNR: 11910

Geometric sequences  
USE: Geometric series  
TNR: 11911

Geometric series  
UF: Geometric progressions  
Geometric sequences  
BT: Series  
TNR: 11909

German alphabet  
USE: Modern Latin alphabet  
TNR:

Global history  
USE: World history  
TNR: 12072

Gradians  
BT: Angle units  
TNR: 11912

Height (Body size)  
BT: Physical characteristics  
TNR: 12073

Height (Elevation)  
USE: Altitude  
TNR: 11913

High school education  
USE: Secondary education  
TNR: 12075

High schools  
USE: Secondary schools  
TNR: 12074

Home ranges  
USE: Range (Species)  
TNR: 12076

Ice floes  
USE: Sea ice  
TNR: 11986

Ice sheets  
BT: Glaciers  
NT: Ice shelves  
Icecaps  
TNR: 11914

Ice shelves  
BT: Ice sheets  
TNR: 11982

Icebergs  
BT: Oceans  
RT: Glaciers  
Ice  
TNR: 11973

ICT  
USE: Information technology  
TNR: 12077

Illiteracy  
USE: Literacy  
TNR: 11980

Induction (Employment)  
BT: Recruitment (Employment)  
TNR: 12079

Induction (Logic)  
USE: Inductive reasoning  
TNR: 12080

Inductive thinking
USE: Inductive reasoning
TNR: 11988

Inflection points
USE: Points of inflection
TNR: 11849

Information and communication technologies
USE: Information technology
TNR: 12078

Integral calculus
USE: Integral equations
TNR: 11916

Integral equations
UF: Integral calculus
Integrals
Integration (Functions)
BT: Equations
TNR: 11915

Integral indices
UF: Whole number indices
BT: Indices
NT: Squares (Indices)
TNR: 11861

Integrals
USE: Integral equations
TNR: 11917

Integration (Assimilation)
USE: Assimilation
TNR: 11920

Integration (Functions)
USE: Integral equations
TNR: 11918

Inter-quartile range
UF: Interquartile range
BT: Measures of spread
TNR: 11863

Interactive whiteboards
UF: IWBs
BT: Information technology
TNR: 12081

Interpolation
USE: Estimation
TNR: 11921

Interquartile range
USE: Inter-quartile range
TNR: 11922

Intersection (Sets)
BT: Sets (Algebra)
TNR: 11923

Investigation
USE: Data collection
TNR: 12083

Isotherms
USE: Contour lines
TNR: 11924

IT
USE: Information technology
TNR: 12084

IWBs
USE: Interactive white boards
TNR: 12082

Junior secondary education
USE: Lower secondary education
TNR: 12085

Karnaugh maps
UF: Two way tables
BT: Sets (Algebra)
TNR: 11925

Kinder (School year level)
USE: Kindergarten (School year level)
TNR: 11999

Kindergarten (School year level)
SN: The first year of schooling – generally enrolls students who are between 5 and 6 years old.

UF: Kinder (School year level)
  Pre-primary classes
  Prep
  Prep year
  Preparatory classes
  Preparatory year
  Reception classes
Reception year
Transition classes
Transition year
Year 0
TNR: 11998

Kingdoms (Classification)
USE: Living things
TNR: 12086

Kingdoms (Monarchy)
USE: Divine kingships
TNR: 11989

Languages other than English
USE: Natural languages
TNR: 11974

Least squares fitting
USE: Difference of squares
TNR: 11927

Level of education
USE: Levels of education
TNR: 12087

Lexicons
USE: Dictionaries
TNR: 12088

Liberty
USE: Freedom
TNR: 12089

Life cycles (Animals)
USE: Animal reproduction
TNR: 11990

Life cycles (Plants)
USE: Plant reproduction
TNR: 11991

Likelihood
USE: Probability
TNR: 11928

Line charts
USE: Line graphs
TNR: 11929

Line of best fit
BT: Scatter plots
RT: Linear regression
TNR: 11930

Linear regression
BT: Estimation
RT: Line of best fit
TNR: 11931

Linguistic proficiency
USE: Language proficiency
TNR: 12090

Listening comprehension
USE: Listening skills
TNR: 12197

Localities
USE: Geographic location
TNR: 12091

Location (Geometry)
UF: Location (Mathematics)
BT: Geometry
NT: Coordinates
  Direction (Geometry)
  Triangulation
TNR: 11829

Location (Mathematics)
USE: Location (Geometry)
TNR: 11830

Locuses
USE: Loci
TNR: 11932

Logarithmic functions
BT: Functions and relations
TNR: 11933

Longevity
USE: Life expectancy
TNR: 12092

Malay alphabet
USE: Modern Latin alphabet
TNR:

Markov chains
USE: Tree diagrams
Mathematical proofs
USE: Proofs
TNR: 11935

Maxima and minima
USE: Extrema
TNR: 11851

Maximum points
USE: Extrema
TNR: 11852

Meaning (Philosophy)
BT: Philosophy
TNR: 12093

Measurement units
USE: Units of measurement
TNR: 11936

Measures of spread
BT: Data analysis
NT: Inter-quartile range
  Range (Statistics)
  Standard deviation
  Variance
TNR: 11862

Media studies
USE: Media production
TNR: 11992

Media (Communication)
USE: Media
TNR: 12094

Media (Paranormal)
USE: Mediumship
TNR: 12096

Mediumship
UF: Mediums (Paranormal)
BT: Paranormal
TNR: 12095

Memorisation
USE: Memory (Cognition)
TNR: 12097

Memory (Data storage)
USE: Data storage
TNR: 12098

Metrology
USE: Measurement
TNR: 11937

Mindfulness
USE: Attention
TNR: 12099

Minimalism
USE: Minimal art
TNR: 12167

Minimum points
USE: Extrema
TNR: 11853

Minute of arc
USE: Angle units
TNR: 11938

Minutes (Time units)
USE: Time units
TNR: 11939

Modern basic Latin alphabet
USE: Modern Latin alphabet
TNR:

Modes of transport
USE: Transport
TNR: 12100

Mol
USE: Amount of substance
TNR: 11867

Moles (Marsupials)
USE: Marsupial moles
TNR: 12101

Moles (Placentals)
USE: Placentals
TNR: 12102

Moles (Units)
USE: Amount of substance
TNR: 11868
Monarchs
USE: Heads of state
TNR: 12103

Moraines
BT: Alpine glaciers
TNR: 12017

Moral judgment
USE: Morality
TNR: 12104

Mountain glaciers
USE: Alpine glaciers
TNR: 12015

Movie theatres
USE: Cinemas (Buildings)
TNR: 12106

Narrating
USE: Narration
TNR:

Narrators
USE: Narration
TNR:

National borders
UF: Borders (National)
BT: Countries
TNR: 12029

Nature of matter
USE: Matter
TNR: 12107

Negative indices
BT: Indices
TNR: 11940

Nets (Fishing)
USE: Fishing nets
TNR: 11941

Networking (Computers)
USE: Computer networks
TNR: 12108

Networking (Social)
USE: Social networking
TNR: 12111

Networks (Computers)
USE: Computer networks
TNR: 12109

Networks (Social)
USE: Social networking
TNR: 12112

Neutrality
USE: Impartiality
TNR: 12113

Nominal data
USE: Categorical distributions
TNR: 11856

Normal distributions
UF: Bell-shaped curves
Bell curves
Gaussian distributions
BT: Distributions (Statistics)
TNR: 11872

Objects in the sky
USE: Celestial observation
TNR: 12114

Odds
USE: Probability
TNR: 11942

Olfaction
USE: Smell
TNR: 12115

Olfactory perception
USE: Smell
TNR: 12116

Opencut mining
UF: Quarries
BT: Mining
TNR: 12164

Oral comprehension
USE: Listening skills
TNR: 12197
Oral language proficiency
USE: Language proficiency
TNR: 12117

Oral narrative traditions
USE: Oral history
TNR: 12118

Ordinals
USE: Ordinal numbers
TNR: 11943

Pack ice
USE: Sea ice
TNR: 11987

Periodic functions
BT: Trigonometric functions
TNR: 11944

Planes (Aircraft)
USE: Aeroplanes
TNR: 12119

Plot lines
USE: Plots (Stories)
TNR:

Plots (Data)
USE: Data representation
TNR:

Points of inflection
UF: Inflection points
BT: Stationary points
TNR: 11848

Poisson distributions
BT: Distributions (Statistics)
TNR: 11945

Polar coordinates
BT: Coordinates
TNR: 11946

Polynomial expressions
USE: Polynomials
TNR: 11947

Portuguese alphabet
USE: Modern Latin alphabet
TNR:

Positional numeral systems
USE: Place value
TNR: 11858

Pre-prep
USE: Preschool (School year level)
TNR: 12012

Pre-primary classes
USE: Kindergarten (School year level)
TNR: 12003

Pre-school classes
USE: Preschool (School year level)
TNR: 11976

Pre-school years
USE: Preschool (School year level)
TNR: 11977

Prep
USE: Kindergarten (School year level)
TNR: 12000

Prep year
USE: Kindergarten (School year level)
TNR: 12004

Preparatory classes
USE: Kindergarten (School year level)
TNR: 12001

Preparatory year
USE: Kindergarten (School year level)
TNR: 12002

Princedom
USE: Principality
TNR: 12122

Principality
UF: Princedom
BT: Monarchy
TNR: 12121

Probability distributions
USE: Distributions (Statistics)
TNR: 11948
Probeware
BT: Data processing
TNR: 12123

Products (Goods)
USE: Consumer goods
TNR: 12120

Products (Multiplication)
USE: Multiplication
TNR: 11949

Quadratic expressions
BT: Polynomials
RT: Quadratic equations
Quadratic functions
TNR: 11950

Quarries
USE: Opencut mining
TNR: 12165

Radixes
USE: Bases (Numeral systems)
TNR: 11951

Raised-relief maps
USE: Relief maps
TNR: 11952

Range (Statistics)
BT: Measures of spread
TNR: 11864

Ranges (Mountains)
USE: Mountains
TNR: 12124

Reading comprehension
USE: Comprehension
TNR: 12125

Recall (Cognition)
USE: Memory (Cognition)
TNR: 12126

Recall (Information retrieval)
UF: Fall-out (Information retrieval)
BT: Information retrieval
TNR: 12127

Reception classes
USE: Kindergarten (School year level)
TNR: 12005

Reception year
USE: Kindergarten (School year level)
TNR: 12006

Remembering
USE: Memory (Cognition)
TNR: 12129

Reviewing (Revising)
BT: Study skills
TNR: 12131

Reviewing (Texts)
BT: Criticism
RT: Reviews (Literary texts)
TNR: 12130

Rhyming
BT: Syllables
RT: Rhymes
TNR: 12132

Rotation (Crops)
USE: Crop rotation
TNR: 12134

Rotation (Grazing)
USE: Rotational grazing
TNR: 12133

Rotation (Motion)
USE: Rotational motion
TNR: 12135

Sample space
BT: Statistics and probability
TNR: 11953

School education
BT: Levels of education
NT: Early childhood education
    Middle schooling
    Primary education
    School year levels
    Secondary education
TNR: 11993
School starting age
USE: Learning readiness
TNR: 12136

Science inquiry skills
USE: Scientific method
TNR: 12009

Sea ice
UF: Drift ice
Fast ice
Ice floes
Pack ice
BT: Oceans
TNR: 11983

Secant lines
USE: Secants
TNR: 11954

Self-similarity
BT: Symmetry
NT: Fractals
TNR: 11837

Semantics
USE: Meanings (Words)
TNR: 12010

Senses (Meanings)
USE: Meanings (Words)
TNR: 12137

Short fiction
USE: Short stories
TNR:

Significant digits
USE: Rounding
TNR: 11955

Slide rule
BT: Mathematical instruments
TNR: 11956

Social independence
USE: Self-management
TNR: 12138

Social networking
UF: Networking (Social)
Stone Age
BT: Prehistory
TNR: 11994

Story arcs
USE: Plots (Stories)
TNR:

Story books
USE: Children's literature
TNR:

Story lines
USE: Plots (Stories)
TNR:

Story maps
USE: Structure (Rhetorical device)
TNR:

Storyline method
SN: Use for resources about an educational strategy that uses key questions in a sequence to create a context within the framework of a story.
BT: Active learning
RT: Plots (Stories)
TNR:

Storytimes
USE: Storytelling
TNR:

Structure of the Earth
USE: Earth structure
TNR: 12145

Subjects (Concepts)
USE: Concepts
TNR: 12011

Syllogisms
BT: Reasoning
TNR: 12146

Tangent lines
UF: Tangents (Lines)
BT: Lines
TNR: 11960

Tangents (Lines)
USE: Tangent lines
TNR: 11961

Terrain models
USE: Relief maps
TNR: 11962

Text composers
USE: Composers (Texts)
TNR: 12148

Text composition
USE: Composing (Texts)
TNR: 12147

Thesauri
USE: Thesauruses
TNR: 12150

Thesauruses
UF: Thesauri
BT: Factual texts
TNR: 12149

Thinking skills
USE: Thinking
TNR: 12151

Topics
USE: Concepts
TNR: 12152

Transition classes
USE: Kindergarten (School year level)
TNR: 12007

Transition year
USE: Kindergarten (School year level)
TNR: 12008

Translation (Geometry)
BT: Transformation (Geometry)
TNR: 11963

Trapezia
USE: Trapeziums
TNR: 11964

Trapezoids
USE: Trapeziums
TNR: 11965
Trend lines
USE: Time series
TNR: 11966

Trial and error
UF: Trial by error
BT: Problem solving
TNR: 12153

Trial by error
USE: Trial and error
TNR: 12154

Trigonometry
USE: Trigonometric functions
TNR: 11831

Turning points (Functions)
USE: Stationary points
TNR: 11846

Turning points (Stories)
USE: Climaxes
TNR: 12155

Two way tables
USE: Karnaugh maps
TNR: 11926

Typographic ligatures
USE: Ligatures
TNR:

Unary number system
USE: Unary numeral system
TNR: 11860

Unary numeral system
UF: Unary number system

Unary numerals
BT: Place value
TNR: 11859

Union (Sets)
BT: Sets (Algebra)
TNR: 11968

Valley glaciers
USE: Alpine glaciers
TNR: 12016

Visual communication (Images)
USE: Visual arts
TNR: 12156

Visual communication (Media)
USE: Media production
TNR: 12157

Visual devices (Texts)
USE: Illustration
TNR: 12158

Visual literacy
USE: Viewing
TNR: 12013

Vortices
UF: Vorticity
BT: Fluid flow
RT: Vorticism
TNR: 11969

Vorticity
USE: Vortices
TNR: 11970

Walkways
UF: Cloisters (Walkways)
BT: Architectural details
TNR: 12039

Web (Internet)
USE: World Wide Web
TNR: 12160

Web 2.0
BT: World Wide Web
TNR: 12159

Weights and measures
USE: Units of measurement
TNR: 11971

Whole number indices
USE: Integral indices
TNR: 11919
World literature
USE: Regional literature
TNR: 12162

WWW
USE: World Wide Web
4.0 Updated terms

Updated terms (previously referred to as ‘Modified terms’) are terms that have had any change to the term record, including to any of the Notes, Relationships or the Label itself. In this report, only terms with the following Updates (detailed in Change Notes) are included:

- USE or BT relationship is added or removed;
- Label changes; e.g. “Case” changed to “Capitalisation”; or
- Addition, annotation or withdrawal of Scope notes (SN).

Addition or removal of NT, UF or RT are Updates but are not detailed in this report. Complete Updates are available from the ScOT Web Service: [http://scot.curriculum.edu.au/download.asp](http://scot.curriculum.edu.au/download.asp).

Absolute zero
CN: 5.3 - BT Low temperatures removed, BT Kelvin scale added; 6.4 - BT Kelvin scale removed, BT Heat flow added.
BT: Heat flow
TNR: 373

Abstract thinking
USE: Imagination
TNR: 75

Acquired immunodeficiency syndrome
CN: 5.2; 6.2 - USE HIV removed, USE AIDS added; 6.4 -Changed from Acquired Immunodeficiency Syndrome to Acquired immunodeficiency syndrome.
USE: AIDS
TNR: 9249

Activism
CN: 6.0 - BT Political science removed BT Politics added; 6.4 - BT Politics removed, BT Dissent added.
UF: Activists
BT: Dissent
TNR: 589

Alliteration
CN: 6.4 - BT Figures of speech removed, BT Rhetorical devices added.
BT: Rhetorical devices
TNR: 1011

Alphabet (English)
USE: English alphabet
Alphabets (Writing systems)
UF: ABC
Ornamental alphabets
Phonemic alphabets

BT: Writing systems
NT: Armenian alphabet
Consonants
Greek alphabet
Hungarian runes
Modern Latin alphabet
Vowels

RT: Consonant alphabets
Lettering

Amicable numbers
CN: 6.4 - USE Number removed, BT Number patterns added.
UF: Friendly numbers
BT: Number patterns
TNR: 407

Angles of depression
CN: 6.4 - BT Angles removed, USE Angles of elevation added.
USE: Angles of elevation
TNR: 1179

Animal life cycles
CN: 5.3 - USE Life cycles removed, USE Growth (Animals) added; 6.4 - USE Growth (Animals) removed, USE Animal reproduction added.
USE: Animal reproduction
TNR: 1254

Animal structure and function
CN: 6.4 - Changed from Structure and function (Animals) to Animal structure and function.
UF: Anatomy and physiology (Animals)
Animal anatomy
Human anatomy
Physiology

BT: Life
NT: Animal reproduction
Biological rhythms
Body fluids
Body parts
Body regions
Circulatory system
Digestion
Endocrine system
Excretion
Exocrine glands
Growth (Animals)
Hormones (Animals)
Immune system
Integumentary system
Metabolism (Animals)
Movement (Animals)
Muscles
Nervous system
Organs (Anatomy)
Physical characteristics
Respiratory system
Skeleton

Architecture
CN: 6.4 - BT Arts removed, BT Design added.
SN: Use for resources on the design and style of structures. For resources on actual building structures or edifices use Buildings (Structures).
For resources on the process of construction use Building (Engineering).
UF: Building design
BT: Arts
NT: Ancient architecture
Architectural details
Baroque architecture
Colonial architecture
Domestic architecture
Energy efficient building design
Futurist architecture
Georgian architecture
Greek architecture
Maori architecture
Medieval architecture
Romanesque architecture
Victorian architecture
TNR: 1076

Area
Area units
CN: 5.0 - BT Units of measurement; 6.4 - Changed from Surface area units to Area units.
UF: Area measurement
   Hectares
   Square metres
BT: Units of measurement
TNR: 6824

Arrays
CN: 6.4 - BT Tables removed, BT Matrices added.
BT: Matrices
TNR: 1653

Arts
CN: 5.0 - BT Humanities removed; 6.4 - Scope Note added.
SN: Use for resources about visual arts or performing arts. For resources about written works, use Literature.
UF: Arts literacy
   Fine art
   Humanities
   Multi arts
NT: Architecture
   Art movements
   Art themes
   Dance
   Design
   Films
   Media production
   Music
   Regional art
   Theatre (Arts)
   Visual arts
TNR: 1556

Average
CN: 6.4 - USE Mean removed, USE Central tendency added.
USE: Central tendency
TNR: 2082

Base ten number system
CN: 6.4 - Changed from Ten number system to Base ten number system.
USE: Decimal system
TNR: 4883

Bases (Numeral systems)
CN: 6.2 - BT Mathematical notation removed, BT Numbers added; 6.4 - Changed from Numbering system to Bases (Numeral systems).
BT Number removed, BT Place value added.
UF: Radixes
BT: Place value
NT: Binary system
   Decimal system
   Duodecimal system
   Hexadecimal system
   Octal system
   Senary system
   Ternary system
TNR: 2431

Binomials
CN: 5.3 - Changed from Binomial expressions to Binomial. BT Expressions removed, BT Polynomial added; 6.4 - Changed from Binomial to Binomials.
BT: Polynomials
TNR: 2434

Block diagrams
CN: 6.4 - Changed from Block graphs to Block diagrams. BT Graphs removed, BT Diagrams added.
BT: Diagrams
TNR: 2604

Body mass index
CN: 6.4 - BT Mass units removed, BT Physical characteristics added.
UF: BMI
BT: Physical characteristics
TNR: 2640

Borders (Visual arts)
CN: 6.4 Changed from Borders to Borders (Visual arts).
BT: Composition (Visual arts)
TNR: 2751

Breadth
CN: 5.3 - BT Measurement removed, BT Length added; 6.4 - BT length removed, USE Length added.
USE: Length
TNR: 2794

Bronze Age
CN: 6.4 - BT Prehistory added.
BT: Ancient history
Prehistory
TNR: 1157

Building design
CN: 6.4 - BT Building (Engineering) and BT Engineering design removed, USE Architecture added.
USE: Architecture
TNR: 1586

Bushels
CN: 6.4 - BT Mass units removed, USE Mass units added.
USE: Mass units
TNR: 2982

Calculus
CN: 6.2 - BT Mathematics removed, BT Algebra added; 6.4 - BT Algebra removed, BT Functions and relations added.
BT: Functions and relations
NT: Limits
TNR: 3070

Capacity units
CN: 6.4 - BT Units of measurement removed, USE Volume units added.
USE: Volume units
TNR: 3139

Capitalisation
CN: 6.2 - Changed from Case to Capitalisation; 6.4 – BT Grammar removed, BT Language conventions added.
UF: Capital letters
Lower case
Upper case
BT: Language conventions
TNR: 3273

Cardinal numbers

CN: 6.4 - BT Numbers removed, USE Cardinality added.
USE: Cardinality
TNR: 3195

CD-ROM reviews
CN: 6.4 - Changed from CD ROM reviews to CD-ROM reviews.
BT: Reviews (Literary texts)
TNR: 3346

CD-ROMs
CN: 6.2 - BT Interactive multimedia and BT Optical discs removed BT CDs added; 6.4 - Changed from CD ROMs to CD-ROMs.
BT: CDs
TNR: 3347

Charts (Data)
CN: 6.4 - Changed from Charts to Charts (Data).
BT Data representation removed, USE Data representation added.
USE: Data representation
TNR: 3480

Children's literature
CN: 6.4 - Scope note added.
SN: Use for resources about literature written for children.
UF: Children's stories
Story books
BT: Literature
TNR: 3651

Choropleth maps
CN: 6.4 - BT Maps removed, BT Thematic maps added.
SN: Use for resources about maps which show regions or areas which have the same characteristics.
BT: Thematic maps
TNR: 3711

Cinemas (Buildings)
UF: Cinema screening
Film projection
Film screening
Film theatres
Movie screening
Movie theatres
BT: Auditoriums
TNR: 2912

Circumference
CN: 5.3 - Changed to singular form. BT Length removed, BT Circles added; 6.4 - Removed BT Circles. Added BT Length.
BT: Length
TNR: 3758

City-states
CN: 5.3 - BT Cities removed, BT Countries added; 6.4 - Changed from City states to City-states.
BT: Countries
TNR: 3774

Classification
CN: 6.4 – BT Information management removed, BT Scientific method added.
SN: Use for resources about the ordering of related phenomena into categories, groups, families or systems, according to characteristics or attributes.
UF: Classification systems
   Grouping procedures
   Sorting procedures
   Taxonomy
BT: Scientific method
NT: Properties
TNR: 2757

Classification systems
CN: 6.4 – BT Classification removed, USE Classification added.
USE: Classification
TNR: 3833

Cloisters (Buildings)
CN: 6.3; 6.4 - Changed from Cloisters to Cloisters (Buildings).
BT: Religious buildings
TNR: 11762

Collocations
CN: 6.4 - Removed BT Semantics. Added BT Juxtaposition.
BT: Juxtaposition
TNR: 3997

Commercial architecture
CN: 6.4 - USE Industrial architecture removed, USE Industrial buildings added.
USE: Industrial buildings
TNR: 4081

Communication networks
CN: 6.4 - USE Communications (Technology) removed, USE Telecommunications added.
USE: Telecommunications
TNR: 4109

Communications (Technology)
CN: 6.4 - BT Technology removed, USE Telecommunications added.
USE: Telecommunications
TNR: 4110

Competitions (Evaluation methods)
CN: 6.0; 6.4 - Changed from Competitions to Competitions (Evaluation methods).
BT: Evaluation methods
TNR: 10313

Complementary angles
CN: 6.4 - BT Angles removed, BT Adjacent angles added.
BT: Adjacent angles
TNR: 1181

Comprehension
CN: 5.0 - BT Language skills removed, Language added; 6.4 - BT Language removed, BT Reading added.
UF: Reading comprehension
BT: Reading
NT: Alternative readings
   Criticism
   Dominant readings
   Drama semiotics
   Key ideas
   Resistant readings
   Theatre semiotics
TNR: 1054

Concepts
CN: 6.4 - BT Ideation removed, BT Cognition added.
UF: Abstract ideas
Subjects (Concepts)
Topics
BT: Cognition
TNR: 4244

Conceptual thinking
CN: 6.4 - USE Abstract thinking removed, USE
Imagination added.
USE: Imagination
TNR: 76

Congruence
CN: 5.3 - BT Geometric concepts removed, BT
Geometry added; 6.4 - BT Geometry removed,
BT Transformation (Geometry) added.
BT: Transformation (Geometry)
NT: Symmetry
TNR: 4285

Conscientious objection
CN: 6.2 - BT Ethics and BT Pacifists removed,
BT Activism added; 6.4 - BT Activism removed,
BT Dissent added.
BT: Dissent
TNR: 4301

Coordinates
CN: 5.3 - BT Coordinate geometry removed, BT
Geometry added; 6.4 - BT Geometry removed,
BT Location (Geometry) added.
BT: Location (Geometry)
NT: Axes
Cartesian coordinates
Grids
Polar coordinates
TNR: 4438

Cosine
CN: 6.4 - BT Angles removed, BT
Trigonometry added.
BT: Trigonometric functions
TNR: 1183

Coulombs
CN: 6.4 - BT Energy units removed, USE
Electric charge added.
USE: Electric charge
TNR: 4512

Creation (Universe)
CN: 5.3 - BT Universe removed, BT Universe
formation added; 6.4 - Changed from Creation to
Creation (Universe).
UF: Creation myths
   Creationism
   Foundation myths
BT: Universe formation
TNR: 2418

Cubemitivite thinking
CN: 5.0 - BT Ability removed, Personal
development added; 6.2 - BT Personal
development removed, Use Creative thinking
added; 6.4 - Changed from Creativity to Creative
thinking.
USE: Creativity
TNR: 241

Creativity
CN: 6.4 - Changed from Creative thinking to
Creativity; BT Thinking removed, BT Cognition
added.
UF: Creativeness
   Creative thinking
   Divergent thinking
   Exploratory thinking
   Imaginative thinking
   Open thinking
BT: Cognition
NT: Imagination
   Innovation
   Originality
TNR: 4553

Critical thinking
CN: 6.4 - BT Cognition removed, BT Thinking
added.
BT: Thinking
TNR: 4586

Cubic metres
CN: 6.4 - BT Volume units removed, USE
Volume units added.
USE: Volume units
TNR: 4643

Data continuity
CN: 6.2 - BT Data removed, BT Data analysis
added; 6.4 - Changed from Continuous data to
Data continuity.
UF: Continuity (Data)
Continuous data
BT: Data analysis
TNR: 4385

Decibels
CN: 6.4 - BT Units of measurement removed, USE Volume (Sound) added.
USE: Volume (Sound)
TNR: 4875

Decimals
CN: 6.4 - BT Decimal system removed, USE Decimal fractions added.
USE: Decimal fractions
TNR: 4884

Decision making
CN: 5.0 - BT Management removed, BT Planning added; 6.2 - BT Planning removed; 6.4 - BT Cognition removed, BT Thinking added.
BT: Thinking
NT: Agenda setting
Apathy
Impartiality
Judgement
TNR: 4587

Deconstructivism
CN: 5.0 - BT Arts and BT Modern Arts removed, Arts movements added. RT Modern art added; 6.2 - BT Art movements removed, USE Postmodernist architecture added; 6.4 - USE Postmodernist architecture removed, USE Postmodernist art added.
USE: Postmodernist art
TNR: 1781

Deductive reasoning
CN: 6.4 - Changed from Deductive thinking to Deductive reasoning.
UF: Analytical thinking
Closed thinking
Convergent thinking
Deduction (Logic)
Deductive logic
BT: Reasoning
NT: Procedural thinking
TNR: 4917

Depth (Length)
CN: 5.3 - BT Measurement removed, BT Length added; 6.4 - Changed from Depth to Depth (Length). BT Length removed, USE Length added.
USE: Length
TNR: 9308

Diacritics
CN: 5.2; 6.4 - BT Language conventions removed, BT Writing systems added.
SN: Use for resources about supplementary symbols added in writing systems to differentiate similar characters or specify phonetic characteristics.
UF: Diacritical marks
BT: Writing systems
NT: Accents (Diacritics)
Tone marks
TNR: 5070

Diffusion
CN: 5.0 - BT Molecular forces removed, Physical processes added. 5.3 - BT Physical processes removed, BT Kinetic energy added; 6.4 - BT Kinetic energy removed, BT Kinetic theory added.
BT: Kinetic theory
NT: Osmosis
TNR: 5079

Digital communications
CN: 6.4 - USE Communications (Technology) removed, USE Telecommunications added.
USE: Telecommunications
TNR: 4112

Digits (Integers)
CN: 6.4 - Change from Digits to Digits (Integers). BT Whole numbers removed, USE Integers added.
USE: Integers
TNR: 5112

Direct action
CN: 6.4 - BT Activism removed, BT Dissent added.
BT: Dissent
TNR: 590

Direction (Geometry)
CN: 5.3 - Changed from Direction (Mathematical concepts) to Direction (Geometry). BT Mathematical concepts removed, BT Geometry added; 6.4 - BT Geometry removed, BT Location (Geometry) added.
BT: Location (Geometry)
TNR: 2322

Discrete data
CN: 6.2 - BT Data removed, BT Data analysis added; 6.4 - BT Data analysis removed, USE Discrete distributions added.
USE: Discrete distributions
TNR: 4823

Dissent
CN: 6.0 - BT Political science removed, BT Activism added; 6.4 - BT Activism removed, BT Politics added.
UF: Contestability
  Contestation
  Resistance (Activism)
  Social action
BT: Politics
NT: Activism
Conscientious objection
Direct action
Passive resistance
Petitions
Protests
Resident action
TNR: 1134

Distance time graphs
CN: 6.4 - Change from Distance time graph to Distance time graphs. BT Graphs removed, BT Line graphs added.
BT: Line graphs
TNR: 5190

Distribution (Marketing)
CN: 6.4 - Changed from Distribution to Distribution (Marketing).
BT: Marketing
TNR: 5197

Dot symbol maps
CN: 6.4 - BT Maps removed, BT Thematic maps added.
BT: Thematic maps
TNR: 5244

Early childhood education
CN: 6.0; 6.4 - BT Levels of education removed, BT School education added.
UF: Early learning
  Early years
  Grade prep
  Kindergarten (Preschool)
BT: School education
NT: Preschool (School year level)
  Preschool education
TNR: 10408

Early learning centres
CN: 6.0; 6.4 – Removed USE Preschools. Added BT Educational institutions.
BT: Educational institutions
NT: Preschools (Educational institutions)
TNR: 10636

Echolocation
CN: 5.3 - BT Echo removed, BT Senses added; 6.4 – Removed BT Senses (Perception), added BT Perception.
BT: Perception
TNR: 2294

Editors
CN: 6.4 - BT Occupations (Work) removed, BT Composers (Text) added.
BT: Composers (Texts)
TNR: 4162

Electroception
CN: 5.3; 6.4 - BT Senses removed, BT Perception added.
UF: Electrorereception
BT: Perception
TNR: 9419

Emergency services
CN: 6.2 - BT Government role removed, BT Safety added; 6.4- BT Safety removed, BT Social services added.
UF: Civil defence
   Emergency management
BT: Social services
NT: Ambulance services
   Cyclone warnings
   Disaster relief
   Firefighting
   Life saving
   Search and rescue
TNR: 1072

Energy efficient building design
CN: 5.2; 5.3 - USE Energy conservation removed, USE Energy use added; 6.4 - USE
   Building design and USE Energy use removed, BT Architecture added.
   BT: Architecture
TNR: 2900

Euclidean space
CN: 5.3; 6.4 - BT Geometry removed, USE Geometry added.
   USE: Geometry
TNR: 9833

Expanded sets
CN: 6.4 - BT Number removed, USE Decimal expansions added.
   USE: Decimal expansions
TNR: 5922

Expressionist architecture
CN: 6.4 - BT Architecture and BT Expressionism removed, USE Expressionism added.
   USE: Expressionism
TNR: 1563

Eyeglasses
CN: 6.4 - Changed from Glasses to Eyeglasses.
   UF: Glasses
   Spectacles
   BT: Optometry
   NT: Sunglasses
   TNR: 5965

Fables
CN: 6.4 - BT Poetry and BT Prose removed, BT Allegory added.
   BT: Allegory
   TNR: 1003

Fallacy
CN: 5.0 - BT Philosophy removed, Logic added;
   6.4 - BT Logic removed, BT Reasoning added.
   BT: Reasoning
TNR: 6001

Fibonacci sequence
CN: 6.4 - Changed from Fibonacci numbers to Fibonacci sequence.
   BT: Sequences (Number patterns)
TNR: 6102

Figurate numbers
CN: 6.4 - BT Number removed, BT Sequences (Mathematics) added.
   BT: Sequences (Number patterns)
TNR: 6134

Fire tolerance (Plants)
CN: 5.3; 6.4 - BT Plant structure and function removed, BT Plant defences added.
   UF: Fire tolerant plants
   BT: Plant defences
TNR: 9897

Flow charts
CN: 6.4 - BT Data representation removed, BT Diagrams added.
   UF: Flow diagrams
   BT: Diagrams
TNR: 4835

Flowering
CN: 5.3; 6.4 - BT Plant structure and function removed, USE Plant reproduction added.
   USE: Plant reproduction
TNR: 9870

Fuel consumption units
CN: 6.4 - Changed from Fuel consumption units to Fuel consumption. BT Units of measurement removed, BT Consumer goods added.
   BT: Consumer goods
   NT: Litres per 100 kilometres
   TNR: 6440

Function graphs
CN: 6.4 - BT Graphs removed, BT Functions and relations added.
   BT: Functions and relations
TNR: 6440
Functional literacy
CN: 6.0; 6.4 – Removed BT Language proficiency. Added BT Literacy.
BT: Literacy
TNR: 10707

Functions and relations
CN: 5.3 - BT Mathematical formulas removed, BT Calculus added; 6.4 - Changed from Functions (Mathematics) to Functions and relations. BT Calculus removed, BT Algebra added.
BT: Algebra
NT: Calculus
Differentiation
Exponential functions
Function graphs
Iteration
Linear functions
Logarithmic functions
Logarithmic graphs
Quadratic functions
Reciprocal functions
TNR: 5932

Futurism
USE: Futurist art
TNR: 1784
CN: 5.0 - BT Arts removed, Arts movements added; 6.2 - Not valid; 6.4 - USE Futurist art added.

Futurist architecture
CN: 6.2 - BT Futurism removed; 6.4 - BT Architecture removed, USE Futurist art added.
BT: Architecture
TNR: 1564

Glasses
CN: 6.4 - Changed from Eyeglasses to Glasses.
USE: Eyeglasses
TNR: 5964

Glyphs
CN: 5.2 - BT Orthography added; 6.2 - BT Hieroglyphics removed; 6.4 – BT Language conventions removed, USE Writing systems added.
USE: Writing systems

Gothic architecture
CN: 6.4 - BT Architecture removed, USE Gothic art added.
USE: Gothic art
TNR: 1566

Gothic revival architecture
CN: 6.4 – Changed from Gothic revival architecture to Gothic revival art. BT Revival architecture removed, USE Gothic revivalism added.
USE: Gothic revivalism
TNR: 6640

Grade prep
USE: Early childhood education
TNR: 10714
CN: 6.0; 6.4 - USE Early childhood education removed, USE Kindergarten (School year level) added.

Grams
CN: 6.4 - BT Mass units removed, USE Mass units added.
USE: Mass units
TNR: 6667

Grids
CN: 6.4 - BT Data representation removed, BT Coordinates added.
BT: Coordinates
NT: Grid references
TNR: 4836

Handwriting
USE: Writing removed, Composing (Texts) added; 6.2 - BT Composing (Texts) removed, BT Language added; CN: 6.4 – Removed BT Language. Added BT Language conventions.
UF: Penmanship
Writing (Handwriting)
BT: Language conventions
NT: Calligraphy
Foundation Style
TNR: 3081

Hearing
UF: Auditory perception
BT: Perception
TNR: 5429

Hectares
CN: 6.4 - BT Area units removed, USE Area units added.
USE: Area units
TNR: 6823

Hectolitres
CN: 6.4 - BT Capacity units removed, USE Volume units added.
USE: Volume units
TNR: 3140

Hectopascals
CN: 5.3 - BT Atmospheric pressure removed; 6.4 - BT Pressure units removed, USE Atmospheric pressure added.
USE: Atmospheric pressure
TNR: 918

Height (Length)
CN: 6.4 - Changed from Height to Height (Length). BT Length removed, USE Length added.
BT: Length
TNR: 6826

Histories
CN: 6.4 - BT Column graphs removed, BT Graphs added.
BT: Graphs
TNR: 4027

Horsepower
CN: 6.4 - BT Velocity units removed, USE Velocity units added.
USE: Velocity units
TNR: 6912

Hyperbolas
CN: 6.4 - BT Curves removed.
BT: Conic sections
TNR: 4290

Icecaps
CN: 6.4 - BT Landforms removed, BT Icesheets added.
BT: Ice sheets
TNR: 6593

Idea generation
CN: 6.2; 6.4 - USE Ideation removed, USE Originality added.
USE: Originality
TNR: 11396

Ideation
CN: 6.2 - Changed from Ideas to Ideation; 6.4 - BT Cognition removed, USE Originality added.
USE: Originality
TNR: 7004

Imagination
CN: 6.1 - BT Psychology removed, BT Thinking added; 6.4 - Removed BT Cognition, added BT Creativity.
UF: Abstract thinking
   Induction (Logic)
   Mathematical induction
BT: Creativity
NT: Daydreams
   Visualisation
TNR: 5356

Imperialism
CN: 5.0 - BT Foreign policy removed, Political science added; 6.0 - BT Political science removed BT Politics added; 6.2 - BT Politics removed, BT Social and political systems added; 6.4 – Removed BT Social and political systems. Added BT Political independence.
UF: Empires
BT: Political independence
NT: Colonies
   Colonisation
   Invasion
TNR: 4005

Inductive reasoning
CN: 5.0 - BT Thinking removed; 6.4 - Changed from Inductive thinking to Inductive reasoning.
UF: Induction (Logic)
   Inductive thinking
   Mathematical induction
BT: Reasoning
TNR: 7078
Industrial architecture
CN: 6.4 - BT Architecture removed, USE Industrial buildings added.
USE: Industrial buildings
TNR: 1568

Infinity
CN: 6.4 - BT Number removed, BT Limits added.
BT: Limits
TNR: 7109

Interaction skills
CN: 5.0 - Modification - NP; 6.4 – Removed USE Interpersonal communication, USE Human relations added.
USE: Human relations
TNR: 7166

Interpersonal communication
CN: 6.4 – Removed BT Communication (Language), USE Communication (Language) added.
USE: Communication (Language)
TNR: 4100

Interpersonal skills
CN: 5.0 - Modification - NP; 6.4 – Removed USE Interpersonal communication and USE Communication skills, USE Human relations added.
USE: Human relations
TNR: 4111

Iron Age
CN: 6.3; 6.4 - BT Ancient history removed, BT Prehistory added.
BT: Prehistory
TNR: 11537

Isobars
CN: 5.3 - BT High pressure systems and BT Low pressure systems removed, BT Contour lines added; 6.4 - BT Contour lines removed, USE Contour lines added.
USE: Contour lines
TNR: 6849

Isopleth maps

Joules
CN: 6.4 - BT Energy units removed, USE Energy units added.
USE: Energy units
TNR: 5727

Kilograms
CN: 6.4 - BT Force units and BT Mass units removed, USE Mass units added.
USE: Mass units
TNR: 6338

Kilometres
CN: 6.4 - BT Length units removed, USE Length units added.
USE: Length units
TNR: 7329

Kilometres per hour
CN: 6.4 - BT Velocity units removed, USE Velocity units added.
USE: Velocity units
TNR: 7330

Kilopascals
CN: 6.4 - BT Pressure units removed, USE Force units added.
USE: Force units
TNR: 7331

Kilowatts
CN: 6.4 - BT Power units and BT Watts removed, USE Energy units added.
USE: Energy units
TNR: 7332

Kindergarten (Preschool)
CN: 6.0; 6.4 - Changed from Kindergarten to Kindergarten (Preschool).
USE: Early childhood education
TNR: 10715

Kinetic energy
CN: 5.3 - BT Energy removed, BT Mechanical energy added. 6.4 - Scope note added.
SN: Use for resources about the motion of objects. For resources on the motion of particles, use Kinetic theory.
UF: Movement (Energy)
BT: Mechanical energy
TNR: 5630

Kinetic theory
CN: 5.3 - BT Motion removed, BT Gases added.
Scope note added; 6.4 - BT Gases removed, BT Molecular forces added.
SN: Use for resources about the motion of objects. For resources on the motion of particles, use Kinetic energy.
UF: Collision theory
BT: Molecular forces
NT: Diffusion
Pressure
TNR: 7342

Knots (Velocity)
CN: 6.4 - BT Velocity units removed, USE Velocity units added.
USE: Velocity units
TNR: 7360

Language
CN: 5.0 - BT Communication (Sociology) removed, BT Humanities removed - Language is a new top term; 6.4 - Scope note added.
SN: Use for resources about human communication.
UF: Language arts
Language awareness
Linguistics
Metalinguistics
Verbal communication
NT: Communication (Language)
Composing (Texts)
Language conventions
Listening
Literacy
Literature
Natural languages
Nonverbal communication
Reading
Speech
Text types
Texts
Writing systems
TNR: 1028

Language arts
CN: 6.4 - USE Communication (Language) removed, USE Language added.
USE: Language
TNR: 4096

Language conventions
CN: 5.2; 6.4 - Changed from Orthography to Language conventions. Removed BT Grammar, added BT Language.
BT: Language
NT: Capitalisation
Grammar
Handwriting
Punctuation
Spelling
TNR: 9310

Language proficiency
CN: 6.0; 6.1 - BT Literacy removed, BT Language added. Scope note added.
SN: Use for resources about fluency in a spoken language.
UF: Language abilities
Language literacy
Linguistic proficiency
Oral language proficiency
BT: Literacy
NT: Multilingualism
TNR: 10398

Lateral thinking
CN: 6.4 - Removed BT Creative thinking, added BT Problem solving.
UF: Horizontal thinking
BT: Problem solving
TNR: 7445

Latin alphabet
CN: 6.4 - BT Alphabet removed, USE Modern Latin alphabet added.
USE: Modern Latin alphabet
TNR: 948

Legislative assemblies
CN: 6.4 - Removed BT State government, added BT Parliaments.
BT: Parliaments
TNR: 7477
Letters (Characters)
CN: 6.4 Changed from Letters (Writing) to Letters (Characters). Removed USE Characters (Writing systems), added USE Writing systems.
USE: Writing systems
TNR: 406

Letters (Correspondence)
CN: 6.4 Changed from Letters (Texts) to Letters (Correspondence).
BT: Prose
NT: Business letters
Letters of complaint
Letters to the editor
Personal letters
TNR: 3022

Ligatures
CN: 6.4 - BT Modern Latin alphabet removed, BT Typography added.
UF: Typographic ligatures
BT: Typography
TNR: 7507

Listening
CN: 5.0 - BT Phonetics removed; 6.4 - BT Communication (Language) removed, BT Language added.
UF: Active listening
Aural skills
BT: Language
TNR: 585

Lists
CN: 6.4 - BT Text removed, BT Factual texts added.
BT: Factual texts
NT: Catalogues
Menus
TNR: 5595

Literacy
CN: 5.0 - BT Education and BT Literature removed. RT Education added; 6.0 - BT Language removed, BT Learning added; 6.2 - BT Learning removed, USE Language added; 6.4 - Removed USE Language. Added BT Language. Added a scope note.
SN: Use for resources about the ability to understand and produce the English language accurately, fluently, creatively, critically, confidently, and effectively in a range of modes, and digital and print settings, in texts designed for a range of purposes and audiences.
UF: Illiteracy
BT: Language
NT: Functional literacy
Language proficiency
Viewing
TNR: 1804

Literature
CN: 5.0 - BT Humanities removed, Language added; 6.2 - BT Language removed, BT Arts added; 6.4 - BT Arts removed, BT Language added.
UF: Humanities
BT: Language
NT: Children's literature
Drama
Genres
Poetry
Prose
Regional literature
Sacred literature
TNR: 308

Litres
CN: 6.4 - BT Capacity units removed, USE Volume units added.
USE: Volume units
TNR: 3141

Location (Geography)
CN: 6.4 - Changed from Location to Location (Places).
USE: Geographic location
TNR: 6549

Logarithmic graphs
CN: 6.4 - BT Graphs removed, BT Functions and relations added.
BT: Functions and relations
TNR: 6678

Loudness
CN: 6.4 - USE Amplitude removed, USE Volume (Sound) added.
USE: Volume (Sound)
TNR: 1116
Magnetoception
CN: 5.3; 6.4 – Removed BT Senses (Perception). Added BT Perception.
UF: Magnetoreception
BT: Perception
TNR: 9420

Maps
CN: 5.3 - BT Geography and BT Factual texts removed, BT Data representation added; 6.4 - BT Data representation removed.
UF: Cartography
  Charts (Maps)
  Map drawing
  Map making
BT: Navigation equipment
NT: Astronomical maps
  Atlases
  Contour maps
  Map projection
  Marine charts
  Physical maps
  Political maps
  Relief maps
  Road maps
  Thematic maps
  Weather maps
TNR: 1877

Maritime safety
CN: 6.4 - BT Safety removed, USE Water safety added.
USE: Water safety
TNR: 5196

Mathematical induction
CN: 5.3 - Changed from Induction (Mathematics) to Mathematical induction. BT Mathematics removed, BT Deductive thinking added; 6.4 - BT Deductive thinking removed, USE Inductive reasoning added.
USE: Inductive reasoning
TNR: 7077

Meanings (Words)
CN: 6.4 - Changed from Semantics to Meanings (Words). BT Language removed, BT Grammar added.
UF: Semantics
  Semiotics
  Senses (Meanings)

BT: Grammar
NT: Antonyms
  Homonyms
  Synonyms
  Transformational grammar
  Vocabulary
TNR: 3998

Media
CN: 5.0 - BT Communication (Sociology) removed, Sociology added; 6.4 – Removed BT Society. Added BT Telecommunications.
UF: Digital media
  Mediums (Communication)
BT: Telecommunications
NT: Broadcasting
  Multimedia
  Publishing
TNR: 4102

Media literacy
CN: 6.2 - BT Literacy removed, BT Critical thinking added; 6.4 – Removed BT Critical thinking. Added USE Media production.
USE: Media production
TNR: 7546

Media production
CN: 6.4 - BT Media removed, BT Arts added.
SN: Use for resources about the techniques for the creation of products, such as films, radio and television programs, publications, etc.
UF: Media language
  Media literacy
  Media studies
  Production techniques
  Visual communication (Media)
BT: Arts
NT: Autocues
  Credits (Films)
  Dramaturgy
  Film making
  Film sets
  Journalism
  Lighting
  Photography
  Recording (Media production)
  Scriptwriting
  Soundtracks
  Special effects
  Stagecraft
Storyboards
TNR: 4563

Memory (Cognition)
CN: 6.2 - BT Cognition removed, BT Thinking added; 6.4 - Changed from Memory to Memory (Cognition).
UF: Memorisation
Recall (Cognition)
Remembering
BT: Cognition
TNR: 7161

Memos
CN: 6.4 - BT Written communication removed.
UF: Memoranda
BT: Business communication
TNR: 3006

Meter
CN: 6.4 - Changed from Meter to Meter (Poetry).
USE: Metre (Poetry)
TNR: 7866

Metres (Length)
CN: 6.4 - Changed from Metres (Measurement) to Metres (Length). BT Length units removed, USE Length units added.
USE: Length units
TNR: 7483

Metres per second
CN: 6.4 - BT Velocity units removed, USE Velocity units added.
USE: Velocity units
TNR: 7872

Middle schooling
CN: 6.0; 6.4 – Removed BT Levels of education, added BT School education.
SN: Use for resources about years which encompass later years of primary education and earlier years of secondary education, usually years 6 to 9.
UF: Middle years
BT: School education
TNR: 10409

Milligrams
CN: 6.4 - BT Mass units removed, USE Mass units added.
USE: Mass units
TNR: 7765

Millilitres
CN: 6.4 - BT Capacity units removed, USE Volume units added.
USE: Volume units
TNR: 3142

Minimal architecture
CN: 6.4 - BT Architecture removed, USE Minimal art added.
USE: Minimal art
TNR: 1571

Minimums
CN: 6.4 - BT Numbers removed, USE Extrema added.
USE: Extrema
TNR: 7898

Minutes (Angle units)
CN: 6.4 - Changed from Minutes (Measurement) to Minutes (Angle units). BT Angle units and BT Time units removed, USE Angle units added.
USE: Angle units
TNR: 1177

Mixed numbers
CN: 6.4 - BT Numbers removed, USE Improper fractions added.
USE: Improper fractions
TNR: 7912

Modern Latin alphabet
CN: 6.4 - BT Latin alphabet removed, BT Alphabets added.
UF: Alphabet
Basic Modern Latin alphabet
Dutch alphabet
German alphabet
Latin alphabet
Malay alphabet
Modern basic Latin alphabet
Portuguese alphabet
Spanish alphabet
BT: Alphabets
NT: English alphabet
Modernist architecture
CN: 6.4 - BT Architecture removed, USE Modernist art added.
USE: Modernist art
TNR: 1572

Multilingualism
CN: 6.0; 6.4 – Removed BT Language. Added BT Language proficiency.
UF: Bilingualism
Trilingualism
BT: Language proficiency
NT: First language
Second languages
TNR: 10406

Multiples
CN: 6.4 - BT Integers removed, USE Factors added.
USE: Factors
TNR: 5989

Multiplication tables
CN: 6.4 - BT Tables removed, BT Multiplication added.
UF: Times tables
BT: Multiplication
TNR: 7991

Narratives
CN: 6.4 - Scope Note edited.
SN: Use for resources that relate a series of events or experiences.
UF: Stories
Story
BT: Literary texts
NT: Personal narratives
TNR: 1164

Negative numbers
CN: 6.4 - BT Number removed, BT Directed numbers added.
BT: Directed numbers
TNR: 5137

Neoclassical architecture
CN: 6.4 – Removed BT Architecture and BT Neoclassicism, added USE Neoclassicism.
USE: Neoclassicism
TNR: 980

Newton's
CN: 6.4 - BT Force units removed, USE Force units added.
USE: Force units
TNR: 6339

Nonverbal communication
CN: 6.4 - BT Communication (Language) removed, BT Language added.
UF: Body language
Visual communication (Body language)
BT: Language
NT: Facial expressions
Gestures
Sign language
Signals
TNR: 4103

Number
CN: 5.3 - BT Mathematical concepts removed, BT Mathematics added; 6.4 - Changed from Numbers to Number.
UF: Number concepts
Numerals
Numerical literacy
BT: Mathematics
NT: Complex numbers
Directed numbers
Natural numbers
Number operations
Permutations and combinations
Place value
Proportions
Real numbers
Roman numerals
Significant figures
TNR: 1093

Number sentences
CN: 5.3 - BT Sentences and Algebra removed, BT Mathematical formula added; 6.2 - BT Mathematical formulas removed, BT Equations added; 6.4 - BT Equations removed, USE Equations added.
USE: Equations
TNR: 980

Numeracy
CN: 5.3 - BT Mathematics removed, BT Mathematical literacy added; 6.1 - BT Mathematical literacy removed, USE Arithmetic added; 6.2 - USE Number operations removed, USE Numbers added; 6.4 – USE Numbers removed. USE Mathematics added.
USE: Mathematics
TNR: 7551

Numerical literacy
CN: 6.0; 6.1 - Not valid; 6.4 - USE Number added.
USE: Number
TNR: 10913

Ordinal data
CN: 6.2 - BT Data removed, BT Data analysis added; 6.4 - BT Data analysis removed, USE Categorical distributions added.
USE: Categorical distributions
TNR: 4824

Ordinal numbers
CN: 6.4 - BT Number removed, BT Sets (Algebra) added.
UF: Ordinals
BT: Sets (Algebra)
TNR: 8144

Ovals
CN: 6.4 - BT Curves removed, USE Ellipses added.
USE: Ellipses
TNR: 4713

Pascals
CN: 6.4 - BT Pressure units removed, USE Force units added.
USE: Force units
TNR: 8306

Passive resistance
CN: 6.4 - BT Activism removed, BT Dissent added.
UF: Pacifists
BT: Dissent
TNR: 8244

Perimeters
CN: 6.4 - BT Length removed, USE Length added.
Structure and function (Plants) to Plant structure and function.
SN: Use for resources about the functioning of plants or their parts.
UF: Anatomy and physiology (Plants)
   Plant anatomy
   Plant physiology
BT: Life
NT: Allelopathy
   Bulbs
   Leaves
   Plant growth
   Plant metabolism
   Plant nutrition
   Plant reproduction
   Plant sap
   Roots (Plants)
   Stems (Plants)
   Transpiration
   Vascular tissues (Plants)
TNR: 1008

Plots (Stories)
CN: 5.0 - BT Performing arts removed, Drama added; 6.2 - BT Drama removed; 6.4 - Changed from Plots to Plots (Stories). Scope note added.
SN: Use for resources about the primary sequence of events in a literary or dramatic work.
UF: Plot lines
   Story arcs
   Story lines
BT: Structure (Rhetorical device)
NT: Climaxes
   Denouements
   Scenarios
   Subplots
   Synopses
TNR: 3867

Point graphs
CN: 6.4 - BT Graphs removed, USE Dot plots added.
BT: Dot plots
TNR: 6681

Positive numbers
CN: 6.4 - BT Number removed, BT Directed numbers added.
BT: Directed numbers
TNR: 5139

Postal services
UF: Mail services
   Post offices
BT: Distribution networks
NT: Air mail
   Courier services
   Postage stamps
   Postal workers
   Postcodes
   Registered post
   Surface mail
TNR: 895

Postmodernist architecture
CN: 6.1 - BT Postmodernism removed; 6.4 - BT Architecture removed, USE Postmodernist art added.
USE: Postmodernist art
TNR: 1576

Power units
CN: 6.4 - BT Units of measurement removed, USE Energy units added.
USE: Energy units
TNR: 6913

Prehistory
CN: 6.3; 6.4 - BT Ancient history removed, BT History added.
BT: History
NT: Bronze Age
   Iron Age
   Stone Age
TNR: 11536

Preschool (School year level)
CN: 6.0; 6.4 – Changed from Preschool to Preschool (School year level); BT School year levels removed, BT Early childhood education added.
UF: Pre-prep
   Pre-school classes
   Pre-school years
BT: Early childhood education
TNR: 10416

Preschools (Educational institutions)
CN: 6.0; 6.4 – Changed from Preschools to Preschools (Educational institutions). Removed BT Educational institutions, added BT Early learning centres.
BT: Early learning centres
TNR: 10352

Pressure
CN: 5.3 - BT Forces removed, BT Kinetic energy added; 6.4 - BT Kinetic energy removed, BT Kinetic theory added.
BT: Kinetic theory
NT: Air pressure
Vacuums
TNR: 2709

Primary education
CN: 6.0 - USE Schools removed, BT Levels of education added; 6.4 - BT Levels of education removed, BT School education added.
UF: Elementary education
BT: School education
NT: Junior primary education
Upper primary education
TNR: 8544

Prime numbers
CN: 6.4 - BT Natural numbers removed, BT Sequences (Mathematics) added.
BT: Sequences (Number patterns)
TNR: 8072

Projection (Geometry)
CN: 5.3 - Changed from Projection (Mathematics) to Projection (Algebra). BT Mathematics removed, BT Algebra added; 6.2 - Changed from Projection (Algebra) to Projection (Geometry). BT Algebra removed, BT Transformation (Mathematics) added; 6.4 - BT Transformation (Geometry) removed, BT Geometry added.
BT: Geometry
TNR: 7712

Proportions
CN: 5.3 - BT Mathematical concepts and BT Visual arts elements removed, BT Mathematics added; 6.4 – BT Mathematics removed, BT Number added.
UF: Balance (Visual arts)
BT: Number
NT: Fractions
Percentages
Pythagoras' theorem
Ratios
Scale (Proportions)
Whole numbers
TNR: 749

Protests
CN: 6.4 - BT Activism removed, BT Dissent added.
UF: Demonstrations
BT: Dissent
TNR: 592

Punctuation
CN: 5.0 - BT Language skills removed, Grammar added; 6.1 - BT Symbols removed; 6.4 - BT Grammar removed, BT Language conventions added.
BT: Language conventions
NT: Apostrophes (Punctuation)
Colons
Commas
Dashes
Dot points
Exclamation marks
Full stops
Hyphens
Parentheses
Question marks
Quotation marks
Semicolons
TNR: 1412

Purist architecture
CN: 6.4 - BT Architecture and BT Purism removed, USE Purism added.
USE: Purism
TNR: 1577

Pythagoras' theorem
CN: 5.3 - BT Theorems removed, BT Trigonometry added; 6.4 - BT Trigonometry removed, BT Proportions added.
BT: Proportions
TNR: 8601

Queen Anne style

41
CN: 6.4 - Changed from Queen Anne revival architecture to Queen Anne style. BT Revival architecture removed, USE Revivalism added.
USE: Revivalism
TNR: 8614

Range (Species)
CN: 5.3; 6.4 - Changed from Range (Ecology) to Range (Species).
UF: Home ranges
Population distribution (Ecology)
BT: Populations (Ecology)
NT: Introduced species
TNR: 9860

Reasoning
CN: 6.4 - BT Cognition removed, BT Thinking added.
UF: Argumentation (Reasoning)
   Dialectics
   Inference
   Vertical thinking
BT: Thinking
NT: Causality
   Deductive reasoning
   Fallacy
   Inductive reasoning
   Syllogisms
   Truth
TNR: 7608

Renaissance architecture
CN: 6.4 – BT Architecture removed, USE Renaissance art added.
USE: Renaissance art
TNR: 1578

Resident action
CN: 5.3; 6.4 - BT Activism removed, BT Dissent added.
UF: Resident action groups
BT: Dissent
TNR: 9937

Resistance (Activism)
CN: 5.0 - Modification - NP; 6.4 - USE Activism removed, USE Dissent added.
USE: Dissent
TNR: 4011

Reviews (Literary texts)
CN: 5.3 - BT Aesthetics removed; 6.4 – Changed from Reviews to Reviews (Literary texts). Removed BT Criticism.
SN: Use for resources that review, summarise or analyse a literary text and assesses its appeal and value.
BT: Literary texts
NT: Book reviews
   CD-ROM reviews
   Film reviews
   Game reviews
   Theatre reviews
TNR: 742

Revival architecture
CN: 6.4 – BT Architecture removed, USE Revivalism added.
USE: Revivalism
TNR: 1579

Rococo architecture
CN: 6.4 – BT Architecture removed, USE Rococo added.
USE: Rococo
TNR: 1580

Scales (Measurement)
CN: 6.4 - BT Units of measurement removed, BT Measurement added.
SN: Use for resources about different measurement scales, e.g. Beaufort Scale.
BT: Measurement
NT: Beaufort scale
   Seismic scales
TNR: 2331

Scatter graphs
CN: 6.4 - Changed from Scatter plots to Scatter graphs.
USE: Scatter plots
TNR: 8767

Scatter plots
CN: 6.4 - Changed from Scatter graphs to Scatter plots.
UF: Scatter diagrams
   Scatter graphs
BT: Graphs
NT: Line of best fit
TNR: 6682
Scheduling
CN: 6.4 - Changed from Timetables to Scheduling. 
BT: Data representation 
TNR: 4838

School year levels
CN: 6.0; 6.4 - BT Levels of education removed, BT School education added. 
UF: Grade levels 
Year levels 
BT: School education 
NT: Year 1 
Year 10 
Year 11 
Year 12 
Year 13 
Year 2 
Year 3 
Year 4 
Year 5 
Year 6 
Year 7 
Year 8 
Year 9 
TNR: 10410

Secondary education
CN: 6.0 - USE Schools removed, BT Levels of education added; 6.4 - BT Levels of education removed, BT School education added. 
UF: High school education 
BT: School education 
NT: Lower secondary education 
Senior secondary education 
TNR: 8772

Seconds
CN: 6.4 - BT Time units removed, USE Time units added. 
USE: Time units 
TNR: 8795

Sedimentation
CN: 5.3 - BT Geodynamics moved, BT Earth movements added. 
UF: Deposition (Sediment) 
Diagenesis 
Sediments 
BT: Earth movements 
NT: Mud 
Varves 
TNR: 4975

Self-evaluation
UF: Self-appraisal 
Self-assessment 
BT: Self-management 
TNR: 10318

Sensation
USE: Perception 
TNR: 8805

Senses (Perception)
USE: Perception 
TNR: 6812

Sensory deprivation
BT: Stimulation 
TNR: 8337

Sequences (Number patterns)
CN: 6.4 – Changed from Sequences (Mathematics) to Sequences (Number patterns). 
UF: Mathematical sequences 
Numerical sequences 
BT: Number patterns 
NT: Fibonacci sequence 
Figurate numbers 
Prime numbers 
Series 
TNR: 6103

Sets (Algebra)
CN: 6.4 - Changed from Sets (Mathematics) to Sets (Algebra). BT Mathematics removed, BT Algebra added. 
BT: Algebra

43
NT: Cardinality
  Complement (Sets)
  Equivalent sets
  Intersection (Sets)
  Karnaugh maps
  Ordinal numbers
  Tree diagrams
  Union (Sets)
  Venn diagrams
TNR: 2774

Sign language
CN: 6.4 - BT Language removed, BT Nonverbal communication added.
BT: Nonverbal communication
TNR: 7410

Signals
UF: Signalling
BT: Nonverbal communication
TNR: 4105

Size
CN: 5.3 - BT Geometric concepts removed, BT Geometry added; 6.2 - BT Geometry removed, USE Measurement added; 6.4 - USE Measurement removed, USE Dimensions added.
USE: Dimensions
TNR: 2416

Size perception
CN: 6.4 - BT Perception removed, BT Vision added.
BT: Vision
TNR: 8336

Smell
UF: Olfaction
  Olfactory perception
BT: Perception
RT: Nose
TNR: 8128
CN: 6.4 - BT Senses (Perception) removed, BT Perception added.

Social action
CN: 6.3; 6.4 - USE Activism removed, USE Dissent added.
USE: Dissent
TNR: 11613

Space perception
CN: 6.4 - BT Perception removed, BT Vision added.
UF: Spatial awareness
  Spatial perception
BT: Vision
NT: Depth perception
TNR: 4985

SPF ratings
CN: 6.4 - BT Units of measurement removed, BT Sun protection added.
UF: Sun protection factor ratings
BT: Sun protection
TNR: 8936

Square metres
CN: 6.4 - BT Area units removed, USE Area units added.
USE: Area units
TNR: 8952

Squares (Indices)
CN: 5.3 - Changed from Squares (Indices) to Squares (Arithmetic). BT Indices and BT Mathematical concepts added, BT Arithmetic added; 6.4 – Changed from Squares (Arithmetic) to Squares (Indices). BT Number operations removed. BT Integral indices added.
BT: Integral indices
NT: Difference of squares
  Perfect squares
TNR: 5073

Standard deviation
CN: 6.0; 6.4 - USE Variance analysis removed, BT Measures of spread added.
BT: Measures of spread
TNR: 10851

States and territories
CN: 5.3 - BT Places removed, BT Countries added; 6.4 - BT Countries removed, USE State government added.
USE: State government
TNR: 8422

Storytelling
CN: 5.0 - BT Performing arts removed, Drama added; 6.0 - BT Drama removed, BT Creative activities added; 6.4 - BT Creative activities removed, BT Spoken texts added.
UF: Storytimes
BT: Creative activities
NT: Korero paki
TNR: 3654

Subjects (Courses)
CN: 6.0; 6.4 - Changed from Subjects to Subjects (Courses).
USE: Courses
TNR: 10602

Sun protection
CN: 6.4 - Changed from Sun protection gear to Sun protection; BT Protective clothing removed, BT Safety added.
BT: Safety
NT: SPF ratings
   Sunglasses
   Sunscreens
TNR: 6793

Supplementary angles
CN: 6.4 - BT Angles removed, BT Adjacent angles added.
BT: Adjacent angles
TNR: 1193

Symbols
CN: 6.2 - BT Rhetorical devices and BT Semiotics removed, BT Semantics added; 6.4 - BT Semantics removed, BT Writing systems added.
UF: Signs (Symbols)
BT: Writing systems
NT: Ideograms
   Logograms
   Mathematical notation
   Pictographs
TNR: 1660

Tally charts
CN: 6.4 - BT Tables removed, USE Tallies added.
USE: Tallies
TNR: 8989

Tangent (Functions)
CN: 6.4 - Changed from Tangents to Tangent (Functions). BT Angles and BT Circles removed, BT Trigonometric functions added.
BT: Angles
   Circles
   Trigonometric functions
TNR: 1194

Taste
CN: 6.4 - BT Senses (Perception) removed, BT Perception added.
BT: Perception
TNR: 8806

Telecommunications
CN: 6.4 - BT Communications (Technology) removed, BT Information technology added.
UF: Communication networks
   Communications (Technology)
   Digital communications
BT: Information technology
NT: Computer networks
   Email
   Facsimile transmission
   Media
   Messaging
   Telegraphy
   Telephones
   Two way radios
TNR: 2836

Time series
CN: 6.4 - Changed from Time series data to Time series. BT Statistical data removed, BT Data analysis added.
UF: Trend lines
BT: Data analysis
TNR: 8970

Tonnes
CN: 6.4 - BT Mass units removed, USE Mass units added.
USE: Mass units
TNR: 7766

Topographic maps
CN: 6.4 - BT Maps removed, USE Relief maps added.
USE: Relief maps
TNR: 4388
Topology
CN: 6.4 - BT Geometry removed, USE
Transformation (Geometry) added.
USE: Transformation (Geometry)
TNR: 6567

Touch
BT: Perception
RT: Skin
TNR: 8807
CN: 6.4 - BT Senses (Perception) removed, BT
Perception added.

Transformational grammar
CN: 5.3; 6.4 - BT Grammar removed, BT
Meanings (Words) added.
UF: Transformations (Grammar)
BT: Meanings (Words)
TNR: 9744

Transpiration
CN: 5.3 - BT Plant physiology removed; 6.4 -
BT Plant water relationship removed, BT Plant
structure and function added.
BT: Plant structure and function
TNR: 8444

Tree diagrams
CN: 5.3 - BT Data representation removed; 6.4 -
BT Diagrams removed BT Sets (Algebra) added.
UF: Markov chains
BT: Sets (Algebra)
TNR: 4839

Tree rings
CN: 5.3 - BT Archaeological dating removed,
BT Incremental dating added. Changed from
Dendrochronology to Tree rings; 6.4 - BT
Incremental dating removed, BT Trees added.
UF: Dendrochronology
BT: Trees
TNR: 4840

Triangulation
CN: 5.3 - BT Geometric concepts removed, BT
Geometry added; 6.4 – Removed BT Geometry.
Added BT Location (Geometry).
BT: Location (Geometry)
TNR: 6558

Trigonometric functions
CN: 6.2 - BT Geometry removed, BT
Measurement added; 6.4 - Changed from
Trigonometry to Trigonometric functions.
UF: Trigonometry
BT: Measurement
NT: Circular functions
    Cosecant
    Cosine
    COTangent
    Periodic functions
    Tangent (Functions)
TNR: 3071

Truth
CN: 6.1 - BT Philosophy removed, BT Logic
added; 6.4 - BT Logic removed, BT Reasoning
added.
BT: Reasoning
TNR: 6002

Underground architecture
CN: 6.4 - BT Architecture removed, USE
Underground buildings added.
USE: Underground buildings
TNR: 1584

Utopian art
CN: 6.4 - Changed from Utopian architecture to
Utopian art. USE Futurist architecture removed,
USE Futurist art added.
USE: Futurist art
TNR: 6472

UV index
CN: 6.4 - BT Units of measurement removed,
USE Ultraviolet rays added.
USE: Ultraviolet rays
TNR: 9008

Variance
CN: 6.2 - BT Statistics removed, BT Data and
probability added; 6.4 - Changed from Variance
analysis to Variance. BT Data and probability
removed, BT Measures of spread added.
UF: Statistical dispersion
    Statistical variability
    BT: Measures of spread
TNR: 6200

Varves
CN: 5.3; 6.4 - BT Incremental dating removed, BT Sedimentation added. 
BT: Sedimentation 
TNR: 9559

Verbal communication 
CN: 6.4 - BT Communication (Language) removed, USE Language added. 
USE: Language 
TNR: 4106

Vernacular architecture 
CN: 6.4 - BT Architecture removed, USE Folk art added. 
USE: Folk art 
TNR: 1585

Vertices 
CN: 5.3 - BT Mathematical concepts removed, BT Angles added; 6.4 - BT Angles removed, USE Points added. 
USE: Points 
TNR: 4459

Viewing 
CN: 6.0 - Scope note added; 6.2 - BT Literacy removed, USE Visual learning added; 6.3 - USE Visual learning removed, BT Learning processes added; 6.4 - Changed from Visual literacy to Viewing. BT Learning processes removed, BT Literacy added. 
SN: Use for resources about a group of competencies that allows humans to discriminate and interpret the visible action, objects, and/or symbols, natural or constructed, that they encounter in the environment (e.g., television, films, paintings, etc.). 
UF: Visual literacy 
BT: Literacy 
TNR: 4585

Vision 
CN: 6.4 - BT Senses removed, BT Perception added. 
UF: Sight 
  Visual perception 
BT: Perception 
NT: Binocular vision 
  Colour vision 
  Monocular vision 
  Night vision 
UF: Sight 
  Visual perception 
BT: Perception 
NT: Binocular vision 
  Colour vision 
  Monocular vision 
  Night vision

Peripheral vision 
Size perception 
Space perception 
Visual acuity 
TNR: 2433

Visionary art 
CN: 6.4 - Changed from Visionary architecture to Visionary art. USE Futurist architecture removed, USE Futurist art added. 
USE: Futurist art 
TNR: 6473

Visual communication (Body language) 
CN: 6.4 – Changed from Visual communication to Visual communication (Body language). Removed BT Communication (Language). Added USE Nonverbal communication. 
USE: Nonverbal communication 
TNR: 4107

Vocabulary 
CN: 6.4 - BT Lexicology removed, BT Meanings (Words) added. 
BT: Meanings (Words) 
TNR: 7442

Volts 
CN: 6.4 - BT Force units removed, USE Voltage added. 
USE: Voltmeters 
TNR: 5604

Volume (Capacity) 
CN: 5.3 - Changed from Volume (Geometric concepts) to Volume (Geometry). BT Geometric concepts removed, BT Geometry added; 6.4 - Changed from Volume (Geometry) to Volume (Capacity). BT Geometry removed, BT Measurement added. 
UF: Capacity 
BT: Measurement 
TNR: 6559

Watts 
CN: 6.4 - BT Power units removed, USE Energy units added. 
USE: Energy units 
TNR: 5635

Whole numbers
CN: 6.4 - BT Real numbers removed, BT Proportions added.
BT: Proportions
TNR: 5113

Width
CN: 6.4 - USE Breath removed, USE Length added.
USE: Length
TNR: 2795

Writers
CN: 6.4 - USE Composers (Texts) removed, USE Authors added.
USE: Authors
TNR: 4160

Written communication
CN: 6.4 - BT Communication (Language) removed, USE Composing (Texts) added.
USE: Composing (Texts)
TNR: 4108

Year 0
CN: 6.0; 6.4 - BT School year levels removed, USE Kindergarten (School year level) added.
USE: Kindergarten (School year level)
TNR: 10417

Zero
CN: 6.4 - BT Number removed, BT Integers added.
BT: Integers
TNR: 8146
5.0 **Hierarchy**

The full hierarchy for Mathematics and selected branches.

5.1 **Mathematics**

5.1.1 **Top three levels**

**Mathematics**

**NT1: Algebra**
- NT2: Algebraic terms
- NT2: Equations
- NT2: Functions and relations
- NT2: Matrices
- NT2: Number patterns
- NT2: Proofs
- NT2: Sets (Algebra)
- NT2: Vectors

**NT1: Geometry**
- NT2: Angles
- NT2: Lines
- NT2: Location (Geometry)
- NT2: Planes (Geometry)
- NT2: Points
- NT2: Projection (Geometry)
- NT2: Shapes (Geometry)
- NT2: Solids (Geometry)
- NT2: Transformation (Geometry)

**NT1: Measurement**
- NT2: Area
- NT2: Dimensions
- NT2: Scales (Measurement)
- NT2: Systems of measurement
- NT2: Time
- NT2: Trigonometric functions
- NT2: Units of measurement
- NT2: Volume (Capacity)

**NT1: Number**
NT2: Complex numbers
NT2: Directed numbers
NT2: Natural numbers
NT2: Number operations
NT2: Permutations and combinations
NT2: Place value
NT2: Proportions
NT2: Real numbers
NT2: Roman numerals
NT2: Significant figures

**NT1: Statistics and probability**
NT2: Central tendency
NT2: Data analysis
NT2: Data representation
NT2: Distributions (Statistics)
NT2: Probability
NT2: Random numbers
NT2: Sample space
NT2: Statistical data
NT2: Statistical frequency

### 5.1.2 Full hierarchy

**Mathematics**

**NT1: Algebra**
NT2: Algebraic terms
NT3: Like terms
NT2: Equations
NT3: Coefficients
NT3: Differential equations
NT3: Inequations
NT3: Integral equations
NT3: Linear equations
NT3: Polynomials
   NT4: Binomials
   NT4: Quadratic expressions
   NT4: Trinomial expressions
NT3: Pronumerals
NT3: Quadratic equations
   NT4: Completing the square
NT3: Simultaneous equations
NT2: Functions and relations
NT3: Calculus
   NT4: Limits
   NT5: Infinity
NT3: Differentiation
   NT4: Stationary points
NT5: Extrema
  NT5: Points of inflection
NT3: Exponential functions
NT3: Function graphs
NT3: Iteration
  NT4: Recursion
NT3: Linear functions
NT3: Logarithmic functions
NT3: Logarithmic graphs
NT3: Quadratic functions
NT3: Reciprocal functions
NT2: Matrices
NT3: Arrays
NT2: Number patterns
  NT3: Amicable numbers
NT3: Sequences (Number patterns)
  NT4: Fibonacci sequence
  NT4: Figurate numbers
  NT4: Prime numbers
  NT4: Series
    NT5: Arithmetic series
    NT5: Geometric series
NT2: Proofs
NT2: Sets (Algebra)
  NT3: Cardinality
  NT3: Complement (Sets)
  NT3: Equivalent sets
  NT3: Intersection (Sets)
  NT3: Karnaugh maps
  NT3: Ordinal numbers
  NT3: Tree diagrams
  NT3: Union (Sets)
  NT3: Venn diagrams
NT2: Vectors

**NT1: Geometry**
NT2: Angles
  NT3: Acute angles
  NT3: Adjacent angles
    NT4: Complementary angles
    NT4: Supplementary angles
  NT3: Angles of elevation
  NT3: Cointerior angles
  NT3: Corresponding angles
  NT3: Exterior angles
  NT3: Interior angles
  NT3: Obtuse angles
  NT3: Opposite angles
  NT3: Reflex angles
  NT3: Revolution (Angles)
  NT3: Right angles
  NT3: Sine
NT3: Straight angles
NT3: Tangent (Functions)
NT2: Lines
NT3: Bisectors
NT3: Contour lines
NT3: Curves
  NT4: Camber
  NT4: Closed curves
  NT5: Simple closed curves
NT4: Ellipses
NT4: Parabolas
NT3: Gradients
NT3: Intersecting lines
  NT4: Concurrent lines
NT3: Parallel lines
NT3: Perpendicular lines
NT3: Straight lines
NT3: Tangent lines
NT2: Location (Geometry)
NT3: Coordinates
  NT4: Axes
  NT4: Cartesian coordinates
  NT4: Grids
  NT5: Grid references
  NT4: Polar coordinates
NT3: Direction (Geometry)
NT3: Triangulation
NT2: Planes (Geometry)
NT3: Cartesian planes
NT3: Cross sections
NT3: Sectors
NT3: Tessellations
NT2: Points
NT3: Collinear points
NT3: Lattices
NT3: Loci
NT2: Projection (Geometry)
NT2: Shapes (Geometry)
NT3: Bases (Mathematics)
NT3: Circles
  NT4: Arcs
  NT4: Centres
  NT4: Chords (Lines)
  NT4: Concentric circles
  NT4: Diameter
  NT4: Radius
  NT4: Secants
  NT4: Segments
  NT4: Semicircles
  NT4: Tangent (Functions)
NT3: Conics
NT4: Conic sections
NT5: Ellipses
NT5: Hyperbolas
NT5: Parabolas
NT3: Crescents
NT3: Nets
NT3: Polygons
NT4: Concave polygons
NT4: Convex polygons
NT4: Decagons
NT4: Dodecagons
NT4: Heptagons
NT4: Hexagons
NT4: Irregular polygons
NT4: Nonagons
NT4: Octagons
NT4: Pentagons
NT4: Polyminos
NT4: Quadrilaterals
NT5: Kites (Mathematics)
NT5: Parallelograms
NT5: Rectangles
NT5: Rhombuses
NT5: Squares (Shapes)
NT5: Trapeziums
NT4: Regular polygons
NT4: Sides
NT4: Stars (Polygons)
NT4: Triangles (Shapes)
NT5: Acute angled triangles
NT5: Equilateral triangles
NT5: Isosceles triangles
NT5: Obtuse angled triangles
NT5: Right angled triangles
NT6: Hypotenuse
NT5: Scalene triangles
NT2: Solids (Geometry)
NT3: Bases (Mathematics)
NT3: Cones (Solids)
NT3: Cylinders
NT3: Edges
NT3: Faces (Mathematics)
NT3: Polyhedrons
NT4: Archimedean solids
NT4: Dodecahedrons
NT4: Icosahedrons
NT4: Johnson solids
NT4: Octahedrons
NT4: Platonic solids
NT4: Pyramids
NT5: Right pyramids
NT5: Triangular pyramids
NT4: Snub nosed polygons
NT4: Tetrahedrons
NT3: Prisms
NT4: Cubes
NT4: Cuboids
NT4: Right prisms
NT4: Triangular prisms
NT3: Spheres
NT4: Spherical triangles
NT3: Spheroids
NT2: Transformation (Geometry)
NT3: Congruence
NT4: Symmetry
NT5: Line symmetry
NT5: Rotational symmetry
NT5: Self-similarity
NT6: Fractals
NT3: Dilation
NT3: Reflection (Geometry)
NT3: Rotation
NT3: Translation (Geometry)
NT1: Measurement
NT2: Area
NT3: Surface area
NT2: Dimensions
NT3: Distance
NT3: Length
NT4: Circumference
NT4: Height (Length)
NT2: Scales (Measurement)
NT3: Beaufort scale
NT3: Seismic scales
NT2: Systems of measurement
NT3: Imperial measurement
NT3: Metric system
NT2: Time
NT3: Chronological order
NT3: Elapsed time
NT2: Trigonometric functions
NT3: Circular functions
NT3: Cosecant
NT3: Cosine
NT3: Cotangent
NT3: Periodic functions
NT3: Tangent (Functions)
NT2: Units of measurement
NT3: Amount of substance
NT3: Amperes
NT3: Angle units
NT4: Degrees (Angles)
NT4: Gradians
NT4: Radians
NT3: Area units
NT3: Density units
NT4: Grams per cubic metre
NT3: Energy units
NT4: Calories
NT4: Kilojoules
NT3: Exposure levels
NT3: Fathoms
NT3: Force units
NT3: Hertz
NT3: Length units
NT4: Centimetres
NT4: Millimetres
NT3: Mass units
NT3: Ohms
NT3: Pressure units
NT3: Temperature units
NT4: Celsius scale
NT4: Fahrenheit scale
NT4: Kelvin scale
NT3: Time units
NT4: Centuries
NT4: Day
NT4: Decades
NT4: Hours
NT4: Months
NT4: Night
NT4: Weeks
NT4: Years
NT3: Velocity units
NT4: Centimetres per second
NT3: Volume units
NT4: Cubic centimetres
NT4: Cubic decimetres
NT2: Volume (Capacity)

**NT1: Number**

NT2: Complex numbers
NT2: Directed numbers
NT3: Negative numbers
NT3: Positive numbers
NT2: Natural numbers
NT3: Composite numbers
NT2: Number operations
NT3: Addition
NT3: Counting
NT3: Decomposition (Arithmetic)
   NT4: Factorisation
NT3: Division
NT4: Remainders
Changes related to National curriculum:
Mathematics, English, History, and Science

NT3: Estimation
NT4: Extrapolation
NT4: Linear regression
NT4: Rounding
NT3: Factorials
NT3: Indices
NT4: Bases (Indices)
NT4: Fractional indices
NT4: Integral indices
NT5: Squares (Indices)
    NT6: Difference of squares
    NT6: Perfect squares
NT4: Negative indices
NT4: Roots (Mathematics)
    NT5: Cube roots
    NT5: Square roots
NT3: Logarithms
NT3: Mental calculations
NT3: Multiplication
NT4: Factors
    NT5: Inverses
    NT5: Prime factors
    NT4: Multiplication tables
NT3: Order of operations
    NT4: Parentheses
NT3: Subtraction
NT2: Permutations and combinations
NT2: Place value
NT3: Bases (Numeral systems)
    NT4: Binary system
    NT4: Decimal system
        NT5: Decimal expansions
    NT4: Duodecimal system
    NT4: Hexadecimal system
    NT4: Octal system
    NT4: Senary system
    NT4: Ternary system
NT3: Unary numeral system
NT2: Proportions
NT3: Fractions
    NT4: Decimal fractions
    NT4: Denominators
    NT4: Eighths
    NT4: Equivalent fractions
    NT4: Fifths
    NT4: Halves
    NT4: Improper fractions
    NT4: Numerators
    NT4: Proper fractions
    NT4: Quarters
    NT4: Thirds
NT3: Percentages
NT3: Pythagoras' theorem
NT3: Ratios
NT3: Scale (Proportions)
NT3: Whole numbers
NT2: Real numbers
NT3: Integers
    NT4: Zero
NT3: Irrational numbers
    NT4: e
    NT4: pi
    NT4: Surds
NT3: Rational numbers
NT2: Roman numerals
NT2: Significant figures

**NT1: Statistics and probability**
NT2: Central tendency
    NT3: Mean
    NT3: Median
    NT3: Mode
NT2: Data analysis
    NT3: Bivariate data
    NT3: Data continuity
    NT3: Factor analysis
    NT3: Feature analysis
    NT3: Measures of spread
        NT4: Inter-quartile range
        NT4: Range (Statistics)
        NT4: Standard deviation
        NT4: Variance
    NT3: Multivariate analysis
    NT3: Time series
NT2: Data representation
    NT3: Box plots
    NT3: Diagrams
        NT4: Arrow diagrams
        NT4: Block diagrams
        NT4: Flow charts
        NT4: Network diagrams
    NT3: Dot plots
        NT4: Point graphs
    NT3: Graphs
        NT4: Climographs
        NT4: Column graphs
        NT5: Bar charts
        NT4: Cumulative frequency graphs
        NT4: Frequency polygons
        NT4: Histograms
        NT4: Line graphs
        NT5: Distance time graphs
    NT4: Picture graphs
NT4: Pie charts
NT4: Scatter plots
NT5: Line of best fit
NT4: Semilogarithmic graphs
NT4: Ternary graphs
NT3: Key (Data representation)
NT3: Number lines
NT3: Scheduling
NT3: Spreadsheets
NT3: Stem and leaf plots
NT3: Tables
NT3: Tallies
NT2: Distributions (Statistics)
NT3: Binomial distributions
NT3: Categorical distributions
NT3: Continuous distributions
NT3: Data types
NT3: Discrete distributions
NT3: Geometric distribution
NT3: Normal distributions
NT3: Poisson distributions
NT2: Probability
NT2: Random numbers
NT2: Sample space
NT2: Statistical data
NT2: Statistical frequency
5.2 Language

First three levels of the Language hierarchy.

**Language**

**NT1: Composing (Texts)**
- NT2: Adaptations (Writing)
- NT2: Authenticity (Texts)
- NT2: Drafting
- NT2: Editing
- NT2: Illustration
- NT2: Journalism
- NT2: Notetaking
- NT2: Report writing
- NT2: Rhetorical devices
- NT2: Scriptwriting
- NT2: Writing materials

**NT1: Language conventions**
- NT2: Capitalisation
- NT2: Grammar
- NT2: Handwriting
- NT2: Punctuation
- NT2: Spelling

**NT1: Listening**

**NT1: Literacy**
- NT2: Functional literacy
- NT2: Language proficiency
- NT2: Viewing

**NT1: Literature**
- NT2: Children's literature
- NT2: Drama
- NT2: Genres
- NT2: Poetry
- NT2: Prose
- NT2: Regional literature
- NT2: Sacred literature

**NT1: Natural languages**
- NT2: Aboriginal languages
- NT2: Albanian language
- NT2: Arabic language
- NT2: Armenian language
- NT2: Bengali language
- NT2: Braille
- NT2: Chinese languages
- NT2: Classical Greek language
- NT2: Colloquial language
NT2: Creoles
NT2: Croatian language
NT2: Czech language
NT2: Dialects
NT2: Dutch language
NT2: English language
NT2: Esperanto
NT2: Estonian language
NT2: Filipino language
NT2: French language
NT2: German language
NT2: Greek language
NT2: Hebrew language
NT2: Hindi language
NT2: Hungarian language
NT2: Idioms
NT2: Indonesian language
NT2: Italian language
NT2: Japanese language
NT2: Khmer language
NT2: Korean language
NT2: Latin language
NT2: Latvian language
NT2: Lithuanian language
NT2: Macedonian language
NT2: Malaysian language
NT2: Maltese language
NT2: Maori language
NT2: Pacific Island languages
NT2: Persian language
NT2: Polish language
NT2: Portuguese language
NT2: Romanian language
NT2: Russian language
NT2: Samoan language
NT2: Serbian language
NT2: Slovenian language
NT2: Spanish language
NT2: Swedish language
NT2: Tamil language
NT2: Thai language
NT2: Tibetan language
NT2: Tokelauan language
NT2: Tongan language
NT2: Torres Strait Islander languages
NT2: Turkish language
NT2: Ukrainian language
NT2: Vietnamese language

**NT1: Nonverbal communication**
NT2: Facial expressions
NT2: Gestures
NT2: Sign language
NT2: Signals

**NT1: Reading**
NT2: Comprehension
NT2: Oral reading
NT2: Scanning
NT2: Skimming
NT2: Speed reading

**NT1: Speech**
NT2: Accents (Speech)
NT2: Intonation
NT2: Pitch (Sound)
NT2: Pronunciation
NT2: Stress (Speech)
NT2: Syllables

**NT1: Text types**
NT2: Factual texts
NT2: Literary texts

**NT1: Texts**
NT2: Imaginative texts
NT2: Interactive texts
NT2: Media texts
NT2: Multimodal texts
NT2: Quotations
NT2: Scripts
NT2: Spoken texts
NT2: Visual texts
NT2: Written texts

**NT1: Writing systems**
NT2: Alphabets
NT2: Characters (Writing systems)
NT2: Consonant alphabets
NT2: Diacritics
NT2: Logographic writing systems
NT2: Syllabaries
NT2: Syllabic alphabets
NT2: Symbols
NT2: Transliteration
NT2: Typography
5.3 History

Full History hierarchy.

History

NT1: Ancient history
  NT2: Bronze Age
  NT2: Classical antiquity

NT1: Archaeology
  NT2: Antiquities
  NT2: Archaeological dating
    NT3: Incremental dating
    NT4: Ice cores
  NT3: Pollen analysis
  NT3: Potassium-argon dating
  NT3: Radiometric dating
    NT4: Potassium-argon dating
    NT4: Radiocarbon dating
  NT2: Archaeological sites
  NT2: Excavations
  NT2: Marine archaeology
  NT2: Treasure

NT1: Geological time
  NT2: Eons
    NT3: Hadean eon
    NT3: Phanerozoic eon
    NT3: Proterozoic eon
  NT2: Epochs
    NT3: Eocene epoch
    NT3: Holocene epoch
    NT3: Miocene epoch
    NT3: Oligocene epoch
    NT3: Paleocene epoch
    NT3: Pleistocene epoch
    NT3: Pliocene epoch
  NT2: Eras
    NT3: Archaeozoic era
    NT3: Cenozoic era
    NT3: Mesozoic era
    NT3: Palaeozoic era
    NT3: Proterozoic era
  NT2: Periods (Geology)
    NT3: Cambrian period
    NT3: Carboniferous period
    NT3: Cretaceous period
    NT3: Devonian period
    NT3: Jurassic period
Changes related to National curriculum:
Mathematics, English, History, and Science

NT3: Mississippian period
NT3: Neocene period
NT3: Ordovician period
NT3: Palaeogene period
NT3: Pennsylvanian period
NT3: Permian period
NT3: Quaternary period
NT3: Silurian period
NT3: Triassic period
NT3: Vendian period

NT1: Heritage
NT2: Natural heritage
NT3: Fossils
NT2: World heritage listing

NT1: Historic sites
NT1: Historiography
NT1: Lexicology
NT1: Local history
NT1: Maritime history
NT1: Middle Ages
NT1: Modern history
NT1: Oral history
NT1: Personal histories

NT1: Prehistory
NT2: Bronze Age
NT2: Iron Age
NT2: Stone Age

NT1: Religious history
NT1: Renaissance
NT1: Social history

NT1: World history
NT2: Aboriginal history
NT3: Stolen generations
NT2: American history
NT2: Australian history
NT3: Shared history
NT2: Cambodian history
NT2: Chilean history
NT2: Chinese history
NT2: Cuban history
NT2: Egyptian history
NT2: English history
NT2: French history
NT2: German history
NT2: Greek history
NT2: Indian history
NT2: Indonesian history
NT2: Iranian history
NT2: Irish history
NT2: Japanese history
NT2: Middle East history
NT2: New Zealand history
NT2: Russian history
NT2: South African history
NT2: Torres Strait Islander history
NT2: Vietnamese history
6.0 Not valid terms

Previously approved terms, invalidated.

International Polar Year
Petrarchan sonnets
Pi characters
Semantic phonetic compounds
7.0 Appendix

7.1 Proportion of terms by level

A common issue for thesaurus management is “how many levels” should be in the hierarchy. This, together with the number of ‘top terms’ together indicate the depth and breadth of concepts covered. Thesaurus dimensions should match the breadth, specificity and complexity of concepts located in user content. Search interface issues are also a consideration; the ten ScOT Top Terms are a good starting point for top-down browsing both in the public thesaurus interface and within website navigation systems.

Targets for hierarchy depth are sometimes arbitrarily assigned in thesaurus management guidelines (e.g. “between 5 and 7”). An alternative approach is to manage and report the proportion 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.

![Proportion of Terms by Term level](image)

**Figure 1 Proportion of terms by level**

In Figure one, there is little change in the hierarchy between v.6.3 and v6.4. v6.3 and previous releases performed most of the work of drawing-up terms within the top 5 and 6 levels. While the hierarchy extends in some branches to 13 levels, the proportion of terms in these areas are increasingly rare by v6.3. In v6.4, the deepest terms are at the 10th level (see Figure 2).

### 7.2 Percentage of terms within levels 5 and 6

In v6.3 and v6.4, about 76% of terms fall within the top 5 levels. This compares with 74% in v6.0 and 58% in v5.0. This represents a trend towards a more even triangular shape, where each term branches out to not-too-few but not-too-many narrow terms. Balancing the number of NT references for each term enhances browsing to relevant topics without limiting a multi-faceted approach to dividing concepts.

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<tr>
<td>Total terms</td>
<td>10893</td>
<td>10580</td>
<td>8838</td>
<td>8838</td>
<td>8176</td>
<td>8276</td>
<td>8393</td>
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<tr>
<td>% in top 5 levels</td>
<td>57.56%</td>
<td>59.61%</td>
<td>67.10%</td>
<td>74.06%</td>
<td>76.88%</td>
<td>76.12%</td>
<td>75.93%</td>
</tr>
<tr>
<td>% in top 6 levels</td>
<td>78.25%</td>
<td>90.40%</td>
<td>85.95%</td>
<td>92.70%</td>
<td>90.67%</td>
<td>90.22%</td>
<td>90.03%</td>
</tr>
</tbody>
</table>

![Figure 2 Percentage of terms within levels 5 and 6]

### 7.3 Non-preferred term rates

Non-preferred terms (also called entry terms or see references) increase entry to concepts by managing ambiguity between synonymous or near-synonymous concepts. In v6.4, the proportion of non-preferred terms continues to increase. This trend reflects both addition of new non-preferred terms and the consolidation of preferred terms that are used to index similar concepts.
Changes related to National curriculum:
Mathematics, English, History, and Science

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<th>v6.0</th>
<th>v6.3</th>
<th>v6.4</th>
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<td>8</td>
<td>10</td>
<td>10</td>
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<td>10,792</td>
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<td>7,666</td>
<td>7,569</td>
<td>7,568</td>
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<td>2,655</td>
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<td>3,554</td>
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<tr>
<td>% Non-preferred</td>
<td>21%</td>
<td>25.7%</td>
<td>29.9%</td>
<td>32%</td>
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</tbody>
</table>

Figure 3 Preferred, Non-preferred and Total terms