

By the end of year 7...

MATHEMATICS

	TVII (TTEIVII (TTGS
	Investigate index notation & represent whole numbers as products of powers of prime numbers
	Investigate & use square roots of perfect square numbers Apply the associative, commutative & distributive laws to aid mental & written computation
	Compare, order, add & subtract integers
	Compare fractions using equivalence. Locate & represent positive & negative fractions & mixed
_	numbers on a number line
	Solve problems involving addition & subtraction of fractions, including those with unrelated
	denominators
	Multiply & divide fractions & decimals using efficient written strategies & digital technologies
	Express one quantity as a fraction of another, with & without the use of digital technologies
	Round decimals to a specified number of decimal places
	Connect fractions, decimals & percentages & carry out simple conversions
	Find percentages of quantities & express one quantity as a percentage of another, with & without digital technologies.
	Recognise & solve problems involving simple ratios
	Investigate & calculate 'best buys', with & without digital technologies
	Introduce the concept of variables as a way of representing numbers using letters
	Create algebraic expressions & evaluate them by substituting a given value for each variable
	Extend & apply the laws & properties of arithmetic to algebraic terms & expressions
	Given coordinates, plot points on the Cartesian plane, & find coordinates for a given point
	Solve simple linear equations
	Investigate, interpret & analyse graphs from authentic data
	Establish the formulas for areas of rectangles, triangles & parallelograms & use these in problem solving
	Calculate volumes of rectangular prisms
	Draw different views of prisms & solids formed from combinations of prisms
	Describe translations, reflections in an axis, & rotations of multiples of 90° on the Cartesian plane using
	coordinates.
	Identify line & rotational symmetries
	Identify corresponding, alternate & co-interior angles when two straight lines are crossed by a
	transversal
	Investigate conditions for two lines to be parallel & solve simple numerical problems using reasoning
	Demonstrate that the angle sum of a triangle is 180° & use this to find the angle sum of a quadrilateral
	Classify triangles according to their side & angle properties & describe quadrilaterals
	Construct sample spaces for single-step experiments with equally likely outcomes
	Assign probabilities to the outcomes of events & determine probabilities for events
	Identify & investigate issues involving numerical data collected from primary & secondary sources
	Construct & compare a range of data displays including stem-&-leaf plots & dot plots
	Calculate mean, median, mode & range for sets of data. Interpret these statistics in the context of data
	Describe & interpret data displays using median, mean & range

ENGLISH

	Understand the way language evolves to reflect a changing world,
	particularly in response to the use of new technology for presenting
_	texts & communicating
Ц	Understand how accents, styles of speech & idioms express & create personal & social identities
	Understand & explain how the text structures & language features of
	texts become more complex in informative & persuasive texts &
	identify underlying structures such as taxonomies, cause & effect, & extended metaphors
	Understand that the coherence of more complex texts relies on
	devices that signal text structure & guide readers, for example
	overviews, initial & concluding paragraphs & topic sentences, indexes
	or site maps or breadcrumb trails for online texts
	Understand the use of punctuation to support meaning in complex
	sentences with prepositional phrases & embedded clauses
	Recognise & understand that subordinate clauses embedded within
	noun groups/phrases are a common feature of written sentence
	structures & increase the density of information
	Understand how modality is achieved through discriminating choices
	in modal verbs, adverbs, adjectives & nouns
	Analyse how point of view is generated in visual texts by means of
	choices, for example gaze, angle & social distance
	Investigate vocabulary typical of extended & more academic texts &
	the role of abstract nouns, classification, description & generalisation
	in building specialised knowledge through language
	Understand how to use spelling rules & word origins, for example
	Greek & Latin roots, base words, suffixes, prefixes, spelling patterns &
	generalisations to learn new words & how to spell them

This is to be used as a guide only.

All children learn at a different pace & in different ways.

Summarised from: https://www.australiancurriculum.edu.au/