



By the end of year 6...

MATHEMATICS

- Identify & describe properties of prime, composite, square & triangular numbers
- Select & apply efficient mental & written strategies & appropriate digital technologies to solve problems involving all four operations with whole numbers
- Investigate everyday situations that use integers. Locate & represent these numbers on a number line
- Compare fractions with related denominators & locate & represent them on a number line
- Solve problems involving addition & subtraction of fractions with the same or related denominators
- Find a simple fraction of a quantity where the result is a whole number, with & without digital technologies
- Add & subtract decimals, with & without digital technologies, & use estimation & rounding to check the reasonableness of answers
- Multiply decimals by whole numbers & perform divisions by non-zero whole numbers where the results are terminating decimals, with & without digital technologies
- Multiply & divide decimals by powers of 10
- Make connections between equivalent fractions, decimals & percentages
- Investigate & calculate percentage discounts of 10%, 25% & 50% on sale items, with & without digital technologies
- Continue & create sequences involving whole numbers, fractions & decimals. Describe the rule used to create the sequence
- Explore the use of brackets & order of operations to write number sentences
- Connect decimal representations to the metric system
- Convert between common metric units of length, mass & capacity
- Solve problems involving the comparison of lengths & areas using appropriate units
- Connect volume & capacity & their units of measurement
- Interpret & use timetables
- Construct simple prisms & pyramids
- Investigate combinations of translations, reflections & rotations, with & without the use of digital technologies
- Introduce the Cartesian coordinate system using all four quadrants
- Investigate, with & without digital technologies, angles on a straight line, angles at a point & vertically opposite angles. Use results to find unknown angles
- Describe probabilities using fractions, decimals & percentages
- Conduct chance experiments with both small & large numbers of trials using appropriate digital technologies
- Compare observed frequencies across experiments with expected frequencies
- Interpret & compare a range of data displays, including side-by-side column graphs for two categorical variables
- Interpret secondary data presented in digital media & elsewhere

ENGLISH

- Understand that different social & geographical dialects or accents are used in Australia in addition to Standard Australian English
- Understand that strategies for interaction become more complex & demanding as levels of formality & social distance increase
- Understand the uses of objective & subjective language & bias
- Understand how authors often innovate on text structures & play with language features to achieve particular aesthetic, humorous & persuasive purposes & effects
- Understand that cohesive links can be made in texts by omitting or replacing words
- Understand the uses of commas to separate clauses
- Investigate how complex sentences can be used in a variety of ways to elaborate, extend & explain ideas
- Understand how ideas can be expanded & sharpened through careful choice of verbs, elaborated tenses & a range of adverb groups/phrases
- Identify & explain how analytical images like figures, tables, diagrams, maps & graphs contribute to our understanding of verbal information in factual & persuasive texts
- Investigate how vocabulary choices, including evaluative language can express shades of meaning, feeling & opinion
- Understand how to use phonic knowledge & accumulated understandings about blending, letter-sound relationships, common & uncommon letter patterns & phonic generalisations to read & write increasingly complex words

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/>