

2017 CURRICULUM OVERVIEW - YEAR 6

Term 1

English

Short Stories

Students listen to and read a range of short stories by different authors. They investigate and compare similarities and differences in the ways authors use text structure, language features and strategies to create humorous effects. Students complete a comprehension task about a particular short story and other short stories they have read.

Writing a short story

Students read and view short stories, and write a short story about a character who faces a conflict. Students will also reflect on the writing process when making and explaining editorial choices.

Core priorities such as reading, spelling and grammar form an integral part of the literacy learning in every classroom. Students participate in reading groups, spelling and grammar lessons each week.

Mathematics

Students have opportunities to develop understandings of:

- Number and place value — identify and describe properties of prime and composite numbers; select and apply mental and written strategies to problems involving whole numbers.
- Fractions and decimals — order, compare, add, subtract and solve problems involving the addition and subtraction fractions with related denominators; calculate the fraction of a given quantity; find a simple fraction of a quantity; make connections between equivalent fractions.
- Data — revise different types of data displays; interpret data displays; investigate the similarities and differences between different data displays; identify the purpose and use of different displays.
- Chance — represent the probability of outcomes as a fraction or decimal and conduct chance experiments.
- Using units of measurement — solve problems involving the comparison of lengths and areas; interpret and use timetables.
- Money and financial mathematics — investigate and calculate percentage discounts of 10%, 25% and 50% on sale items.

Science – Making changes

Students investigate changes that can be made to materials and how these changes are classified as reversible or irreversible. They plan investigation methods using fair testing to answer questions.

History – Investigating the development of the Australian nation *(over two terms)*

Students investigate who were the people who came to Australia and why did they come. They explore what contribution have significant individuals and groups made to the development of Australian society. They participate in an excursion to the Brisbane Urban Environmental Education Centre.

Geography - Exploring a diverse world *(over two terms)*

Students investigate how places, people and cultures differ across the world.

Term 2

English

Examining advertising in the media

In this unit students read, view and listen to advertisements in print and digital media. They understand how text features and language combine to persuasive effect. They demonstrate their understanding of advertising texts' persuasive features through written responses to comprehension questions, the creation of their own digital multimodal advertisement and an explanation of creative choices.

Exploring news reports in the media

In this unit students listen to, read and view a variety of news reports from television, radio and internet. Students identify and analyse bias and the effectiveness of language devices that represent ideas and events and influence an audience. They create an analytical response to a news report.

Core priorities such as reading, spelling and grammar form an integral part of the literacy learning in every classroom. Students participate in reading groups, spelling and grammar lessons each week.

Mathematics

Students have opportunities to develop understandings of:

- Number and place value — identify, describe and continue square and triangular number patterns; investigate the relationship between square and triangular numbers; explore numbers below zero and position integers on a number line; solve problems involving multiplication and division with whole numbers.
- Patterns and algebra - continue and create sequences involving whole numbers and decimals; explore the use of order of operations to perform calculations.
- Fractions and decimals — addition and subtraction of decimals; solve problems involving decimals; investigate the multiplication of decimals; locate, order and compare fractions with related denominators; locate them on a number line.
- Using units of measurement — make connections between volume and capacity.
- Geometric Reasoning — make generalisations about angles on a straight line, angles at a point and vertically opposite angles and use these generalisations to find unknown angles.
- Shape - problem solve and reason to create nets and construct models of simple prisms and pyramids.

Science – Energy and electricity

Students investigate electrical circuits as a means of transferring and transforming electricity. They design and construct electrical circuits to make observations, develop explanations and perform specific tasks, using materials and equipment safely. Students explore how energy from a variety of sources can be used to generate electricity and identify energy transformations associated with different methods of electricity production.

History – Investigating the development of the Australian nation (over two terms)

Students investigate who were the people who came to Australia and why did they come. They explore what contribution have significant individuals and groups made to the development of Australian society. They participate in an excursion to the Brisbane Urban Environmental Education Centre.

Geography - Exploring a diverse world (over two terms)

Students investigate how places, people and cultures differ across the world.

Term 3

Interpreting literary texts

Students listen to, read and view extracts from literary texts set in earlier times. They demonstrate their understanding of how the events and characters are created within historical contexts. They create a literary text that establishes time and place for the reader and explores personal experiences.

Exploring literary texts by the same author

Students listen to and read novels by the same author to identify language choices and author strategies used to influence the reader. They will compare two novels by the same author to identify aspects of author style. Students will prepare a response analysing author style in the novel, and participate in a panel discussion.

Mathematics

Students have opportunities to develop understandings of:

- Money and financial mathematics – connect fractions and percentage; calculate percentages and discounts.
- Number and place value – identify and describe properties of prime, composite, square and triangular numbers; solve problems involving all four operations with whole numbers; compare and order positive and negative integers.

- Location and transformation – identify the four quadrants on a Cartesian plane; plot and read points in all four quadrants; revise symmetry, reflection, rotation and translation; investigate combinations of translations, reflections and rotations.
- Fractions and decimals — add and subtract fractions with related denominators; calculate a fraction of a quantity; multiply and divide decimals by powers of ten; add and subtract decimals; divide numbers that result in decimal remainders; make connections between fractions, decimals and percentages; solve problems involving fractions and decimals.
- Using units of measurement — connect decimals to the metric system; convert between units of measure; solve problems involving length and area and connect volume and capacity.
- Patterns and algebra — continue and create sequences involving whole numbers, fractions and decimals; describe the rule used to create the sequence; apply the order of operations to aid calculations.

Science – Our changing world

Students explore how sudden geological and extreme weather events can affect Earth's surface. They consider the effects of earthquakes and volcanoes on the Earth's surface and how communities are affected by these events.

History - Investigating the development of the Australian Nation (over two terms)

Students investigate why and how Australia became a nation and how Australian society changed throughout the twentieth century.

Geography – Exploring Australia's connections with other countries (over two terms)

Students explore what Australia's global connections are between people and places and how people's connections to places affects their perception of them.

Term 4

English

Comparing texts

Students listen to, read, view and analyse literary and informative texts on the same topic. Students explore and evaluate how topics and messages are conveyed through both literary (imaginative) and informative texts, including digital texts. Students identify the author's purpose and analyse similarities and differences in texts. They compare and analyse the effectiveness of each text in its ability to deliver a message. They write arguments persuading others to a particular point of view using specific structural and language features studied during the unit.

Transforming a text

Students read and compare literary and informative texts, such as websites and information texts, which deal with a sustainability issue. Students transform an informative text into a literary text for younger audiences.

Mathematics

Students have opportunities to develop understandings of:

- Chance - conduct chance experiments; record data in a frequency table; calculate relative frequency; write probability as a fraction, decimal or percent.
- Data representation and interpretation - compare primary and secondary data; explore data displays in the media; identify how displays can be misleading; solve problems involving data; conversion of units of measure and computation.
- Patterns and Algebra, Number and Place Value - represent number patterns in a table and graphically; write and apply a rule to describe a pattern; plot coordinates in all four quadrants; solve problems using the order of operations.
- Fractions and decimals — add, subtract and multiply decimals; divide decimals by whole numbers; calculate a fraction of a quantity and percentage discount; compare and evaluate shopping options.
- Geometric reasoning — measure angles; apply generalisations about angles on a straight line; angles at a point; vertically opposite angles.
- Location and transformation — apply translations, reflections and rotations to create symmetrical shapes.

Science – Life on Earth

Students will explore the environmental conditions that affect the growth and survival of living things. Students will have the opportunity to attend an excursion to the Bunyaville Environmental Education Centre.

History - Investigating the development of the Australian Nation *(over two terms)*

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Geography – Exploring Australia’s connections with other countries *(over two terms)*

Students explore what Australia’s global connections are between people and places and how people’s connections to places affects their perception of them.