

2017 CURRICULUM OVERVIEW - YEAR 4

Term 1

English

Investigating author's language in a familiar narrative

Students read a narrative and examine and analyse the language features and techniques used by the author. They create a new chapter for the narrative for an audience of their peers.

Examining humour in poetry

Students will read and listen to a range of humorous poems by different authors. They will identify structural features and poetic language devices in humorous poetry.

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 — make connections between representations of numbers; recall multiplication tables; formulate, model and record authentic situations involving operations; generalise from number properties and results of calculations and derive strategies for unfamiliar multiplication and division tasks.
- Fractions and decimals — communicate sequences of simple fractions.
- Using units of measurement — use appropriate language to communicate times; compare time durations and use instruments to accurately measure lengths.
- Patterns and algebra — use properties of numbers to continue patterns.
- Chance — compare dependent and independent events; describe probabilities of everyday events.
- Data representation and interpretation — collect and record data; communicate information using graphical displays and evaluate the appropriateness of different displays.

Science – Here today, gone tomorrow

Students will explore natural processes and human activity which cause weathering and erosion of the Earth's surface. Students relate this to their local area, make observations and predict consequences of future occurrences and human activity. Students have the opportunity to attend an excursion to Bunyaville Environmental Education Centre to support this unit.

History — Investigating European exploration and the movements of peoples

In this unit students investigate why the great journeys of exploration occurred and why the Europeans settled in Australia.

Term 2

English

Examining traditional stories from Asia

Students analyse traditional stories from Asia. They demonstrate understanding by identifying structural and language features, finding literal and inferring meaning and explaining the message or moral in traditional stories from Asia.

Understanding Aboriginal peoples' and Torres Strait Islander peoples' stories

Students listen to, read and view information and stories from Aboriginal peoples' and Torres Strait Islander peoples' histories and cultures

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 – read, identify, describe, compare, order and partition 5-digit numbers; identify and make generalisations adding, subtracting, multiplying and dividing odd and even numbers; identify sequences created from multiplying by 10, 100 & 1 000; apply mental and written strategies to computation; revise addition and subtraction concepts; solve addition and subtraction problems
- Fractions and decimals - proportion & relationships between fractions in the halves family & thirds family; counting and representing fractions on number lines; investigate equivalent fractions; solve fraction problems from familiar contexts.
- Shape - revise properties of polygons and quadrilaterals; explore the properties of shapes used in tangrams; creating polygons and other combined shapes using tangrams.
- Location and transformation – investigate the features on maps and plans; identify the need for legends; investigate the language of location, direction and movement; find locations using turns and everyday directional language; identify cardinal points of a compass; investigate compass directions on maps; investigate the purpose of scale; apply scale to maps and plans; explore mapping conventions; plan and plot routes on maps; explore appropriate units of measurement and calculate distances using scales.
- Geometric reasoning – identify angles; construct and label right angles; identify and construct angles not equal to a right angle; mark angles not equal to a right angle.
- Money and financial mathematics – read and represent money amounts; investigate change; solve problems involving purchases and the calculation of change; explore Asian currency and calculate foreign currencies.

Science – Ready, set, grow!

Students will investigate life cycles. They will examine relationships between living things and their dependence on the environment.

Geography – Exploring environments and places

Students investigate how the environment supports the lives of people and other living things?

Term 3

English

Exploring recounts set in the past

Students listen to, read and explore a variety of historical texts including historical and literary recounts written from different people's perspectives. In a spoken presentation, students present an account of events in the role of a person who was present at the arrival of the First Fleet.

Exploring a quest novel

Students analyse a quest novel. Throughout the unit, students are monitored as they post comments and respond to others' comments in a discussion board to demonstrate understanding of the quest novel.

Mathematics

Students have opportunities to develop understandings of:

- Number and place value - apply number concepts and place value understanding to the calculation of addition, subtraction, multiplication and division, develop fluency with multiplication fact families; apply mental and written computation strategies; recall multiplication and division facts and apply place value to assist calculations.
- Money and financial mathematics - represent, calculate and round amounts of money required for purchases and change.
- Fractions and decimals - partition to create fraction families; identify, model and represent equivalent fractions; solve simple calculations involving fractions with like denominators; model and represent tenths and hundredths; make links between fractions and decimals; count by decimals; compare and sequence decimals.
- Location and transformation - investigate different types of symmetry; analyse and create symmetrical designs.
- Using units of measurement - use scaled instruments to measure and compare length, mass, capacity and temperature; measure areas using informal units and investigate standard units of measurement.
- Shape - compare the areas of regular and irregular shapes using informal units of area measurement.
- Patterns and algebra - use equivalent addition and subtraction number sentences to find unknown quantities

Science – Properties matter

Students will investigate physical properties of materials and consider how these properties influence the selection of materials for particular purposes.

History - Investigating the impact of colonisation

In this unit, students investigate what was life like for Aboriginal people and/or Torres Strait Islander peoples before the arrival of the Europeans and what was the nature and consequence of contact between Aboriginal people and/or Torres Strait Islander peoples and early traders, explorers and settlers. Students have the opportunity to attend an excursion to Nudgee Beach Environmental Education Centre to support this unit.

Term 4

English

Examining persuasion in advertisements

Students will understand how to recognise and analyse characteristic ideas, language and techniques in advertisements and their impact on the target audience. Students will understand how to navigate around a website identifying text, navigation, layout and links, which are used and contribute to the effectiveness of still image advertisements. As a group they will take part in a panel discussion about the persuasive techniques used in advertisements.

Examining persuasion in product packaging

Students will understand how to use appropriate metalanguage to describe the effects of persuasive techniques used on a breakfast cereal package and report these to peers.

Mathematics

Students have opportunities to develop understandings of:

- Number and place value - calculate addition & subtraction using a range of mental & written strategies, calculate multiplication & division using a range of mental & written strategies, solve problems involving the four operations; use estimation and rounding; multiply and divide 2 and 3 digit numbers.
- Fractions and decimals - count and identify equivalent fractions; locate fractions on a number line; read and write decimals; identify fractions and corresponding and decimals; compare and order decimals (to hundredths).
- Chance - describe the likelihood of everyday chance events; order events on a continuum
- Data representation and interpretation - write questions to collect data; collect and record data; display and interpret data.
- Patterns and algebra - investigate and describe number patterns; solve word problems and use equivalent multiplication and division number sentences to find unknown quantities.
- Money and financial mathematics — calculate change to the nearest five cents; solve problems involving purchases.
- Shape — measure area of shapes; compare the areas of regular and irregular shapes.
- Using units of measurement (volume, time) —measure and compare volume; use am and pm notation; solve simple time problems.

Science – Fast forces!

Students will use games to investigate and demonstrate the direction of forces and the effect of contact and non-contact forces on objects. They will use their knowledge of forces to make predictions about games.

Geography — Protecting places near and far

In this unit students investigate how different views about the environment influence approaches to sustainability and how people can use places and environments more sustainably.