



OOONOONBA STATE SCHOOL
CURRICULUM OVERVIEW
Year 6W
Term 4 2023

Science

Life on Earth

In this unit, students will:

- explore the environmental conditions that affect the growth and survival of living things
- use simulations to plan and conduct fair tests and analyse the results of these tests
- pose questions, plan and conduct investigations into the environmental factors that affect the growth of living things
- gather, record and interpret observations relating to their investigations
- consider human impact on the environment and how science knowledge can be used to inform personal and community decisions
- recommend actions to develop environments for native plants and animals.

LOTE – Chinese *Specialist Teacher*

What is change?

In this unit, students will explore the concept of change the experiences of young people in Chinese-speaking countries and Australia.

Maths

In this unit, students have opportunities to develop understandings of:

- **Number and place value** - solve problems using the order of operations, solve multiplication and division problems using a written algorithm
- **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
- **Patterns and algebra** - represent number patterns in a table and graphically, use rules to continue patterns, write a rule to describe a pattern, apply the rule to find the value of unknown terms, solve integer problems, plot coordinates in all four quadrants
- **Location and transformation** - apply translations, reflections and rotations to create symmetrical shapes
- **Geometric reasoning** - measure and describe angles, apply generalisations about angles on a straight line, angles at a point and vertically opposite angles and apply in real-life contexts
- **Chance** - conduct chance experiments; record data in a frequency table; calculate relative frequency; write probability as a fraction, decimal or per cent; compare observed and expected frequencies
- **Data representation and interpretation** - compare primary and secondary data, source secondary data, explore data displays in the media, identify how displays can be misleading, represent data from a chance experiment, problem solve and reason by interpreting secondary data.

Digital Technology (Semester 2)

Data changing our world

In this unit, students explain how information systems meet local and community needs, represent a variety of data types in digital systems and design and create an interactive spreadsheet and share information ethically.

English

Shark Tank

Students plan, create and present a persuasive pitch to persuade a panel to invest in their proposed initiative. Students take turns to sit on the panel, where they pose questions to clarify content from the developer's pitch.

Reading

- Use expression, volume, pace and observe punctuation
- Comprehension strategies: literal, inferential, synthesising, evaluative

Spelling

- Year 6 Spelling Program (C2C)

Writing

- Consolidate Queensland cursive handwriting

The Arts (Semester 2)

Music – Rhythmic Riot *Specialist Teacher*

In this unit, students make and respond to music by exploring the concept of ostinato — a rhythmic or melodic pattern that is repeated throughout a section or a whole piece of music.

The Resilience Project

GratITUDE
Empathy
Mindfulness &
Emotional Literacy



Humanities and Social Sciences

Government

In this unit, students will:

- complete a Government Scavenger Hunt a scaffolded internet research task
- use a sequence of links to teacher-curated on-line resources to find answers to specific questions
- examine data and sources to identify, describe and compare patterns, trends and distributions
- infer relationships and evaluate evidence to draw conclusions.

Health and Physical Education

Physical Education *Specialist Teacher* Over the net

Students perform specialised tennis skills. They combine movement concepts and strategies during mini-tennis gameplay to open up space on the court to win points or gain control in rallies. They demonstrate fair play and skills to work collaboratively during tennis activities and games.

Health *Specialist Teacher* Transitioning

In this unit, students explore the feelings, challenges and issues associated with making the transition to secondary school. They devise strategies to assist them in making a smooth transition.