



OONONBA STATE SCHOOL  
CURRICULUM OVERVIEW  
Year 6  
Term 4 2022

## 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.

### Design and Technology (Semester 2)

#### Hands Off

In this unit, students investigate how electrical energy can control movement, sound or light in a designed product or system. They design a solution to an environment's security need and make a prototype electrical device that is part of the solution.

## 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.

### 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.

### The Resilience Project

Gratitude  
Empathy  
Mindfulness &  
Emotional Literacy

## English

### 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.

### Reading

Does it make sense? Does it sound right? Does it look right?

- Use expression, volume, pace and observe punctuation
- Comprehension strategies: literal, reorganisation, inference, vocabulary, evaluation

### Spelling

- Year 6 Spelling Program (C2C)

### Handwriting

- Consolidate Queensland cursive handwriting

## The Arts

### Music *Specialist Teacher* Rhythmic Riot (Semester 2)

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.

## Humanities and Social Sciences

### Australia in a Diverse World

In this unit, students will:

- examine the geographical diversity of the Asia region and the location of its major countries in relation to Australia
- investigate differences in the economic, demographic and social characteristics of countries across the world
- consider the world's cultural diversity, including that of its indigenous peoples
- identify Australia's connections with other countries
- organise and represent data in large- and small-scale maps using appropriate conventions
- interpret data to identify, describe and compare distributions, patterns and trends in the diverse characteristics of places
- present ideas, findings, viewpoints and conclusions in a range of communication forms that incorporate source materials, mapping, communication conventions and discipline-specific terms

## Health and Physical Education

### Physical Education *Specialist Teacher* Play2Rhythm

In this unit, students develop specialised football skills and create and perform a sequence of these skills to music.

### Health – 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.