



## Mansfield State School Curriculum Overview Year 5 Term 3 2025



### Science

#### Physical Sciences

##### Now you see it

In this unit, students will:

- investigate the properties of light and the formation of shadows
- investigate reflection angles and how refraction affects our perceptions of an object's location
- investigate how filters absorb light and affect how we perceive the colour of objects and the relationship between light source distance and shadow height
- plan investigations including posing questions, making predictions, and following and developing methods
- analyse and represent data and communicate findings using a range of text types
- explore the role of light in everyday objects and devices and consider how improved technology has changed devices and affected peoples' lives.

**Assessment:** Students will complete an experimental investigation about light.

### English

#### Appreciating and responding to literary texts

In this unit, students will:

- engage with a variety of literary texts that reflects a historical, social or cultural context
- read, view and comprehend texts to explore how ideas are conveyed through characters, setting and events and explain how characteristic features of imaginative texts are used to meet the purpose
- experiment with figurative language, storylines, characters and settings from texts they have experienced to create a written recount

##### **Assessment:**

Create a written diary entry from a particular person's perspective and experience of the Gold Rush.

### Mathematics

In this unit, students will apply a variety of mathematical concepts in real-life, lifelike and purely mathematical situations.

#### Number

- apply understanding of relationships to convert between forms of numbers, units and spatial representations
- use mathematical modelling to solve financial and practical problems, with guidance, using natural numbers and operations, and report on insights and conclusions reached about the context
- use common percentages to make proportional comparisons of quantities

#### Measurement and Space

- apply an understanding of relationships between objects and two-dimensional nets
- use appropriate metric units to directly measure the area and perimeter of regular and irregular spaces and mass and capacity
- use appropriate instruments and digital tools to construct and measure angles in degrees

##### **Assessment:**

Students will

- add and subtract fractions with the same and related denominators and represent and connect percentages with fraction and decimal equivalents.
- use mathematical modelling to formulate and solve a practical problem using chosen arithmetic operations
- connect 2D nets to objects and solving problems using measurement
- Monitoring Task - Explore angles using degrees

### Humanities and Social Sciences

#### Communities in colonial Australia (1800s)

Students will explore the following inquiry question:

*How and why did the lives of the people in the Australian colonies change or stay the same because of the gold rush?*

In this unit, students will:

- examine key events related to the development of British colonies in Australia after 1800
- identify the economic, political and social reasons for colonial developments in Australia after 1800
- investigate the effects that colonisation had on the lives of Aboriginal peoples and on the environment
- locate information from sources about aspects of daily life for different groups of people during the colonial period in Australia
- present ideas to describe how and why life changed and stayed the same in a colonial community
- identify different viewpoints about the significance of individuals and groups in shaping the colonies
- sequence significant events and developments that occurred during the development of colonial Australia using timelines.

##### **Assessment:**

Students will pose questions, collect and locate information, analyse and interpret information related to the inquiry question.

### Health and Physical Education *Specialist Teacher*

#### Personal, Social and Community Health Growing Up

In this unit, students explore developmental changes and transitions that occur as they grow older and investigate strategies available to assist them with the transition.

**Assessment:** Students investigate developmental changes and transitions associated with growing up and access and interpret health information.

### The Arts - Music *Specialist Teacher*

In this unit, students will incorporate 'Foley Artistry' into their music making by creating sound effects for a silent video to show action and music to show mood.

**Assessment:** Students will use iMovie to digitally record sound effects and their music. They will use a combination of 'Found' and 'Instrumental' sounds to enhance their performance.

### Design and Technologies Harvesting good health (Semester Unit)

In this unit, students will explore how competing factors and technologies influence the design of a sustainable service which provides a plant for the preparation of a healthy food product.

**Assessment:** Students will design a service and a packaging that delivers an edible plant to be used to create a healthy food product.

### French *Specialist Teacher*

**La Nourriture - Bon Appetit!- In this unit, students will** listen to and read short texts in French and be able to respond to questions.

**Assessment:** Students will write a text in French and speak it, in the form of a restaurant conversation – "Bon Appetit!"