



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 reflect 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

Space

- apply an understanding of relationships between objects and two-dimensional nets

Measurement

- 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 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 First Nations peoples and 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 in a colonial community
- identify different viewpoints about the significance of individuals and groups in shaping the colonies

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 Transitioning

In this unit, students recognise the influence of emotions and discuss factors that influence how people interact in new situations. Students investigate developmental changes and transitions.

Assessment: Students investigate developmental changes and transitions and explain the influence of people, places and emotions on identities as they transition to secondary school.

The Arts - Music *Specialist Teacher*

In this unit, students continue to explore the concept of ostinato - a rhythmic or melodic pattern that is repeated. They explain how the elements of music communicate meaning by comparing music from different contexts.

Assessment: Students will compose and perform a melody in rondo form accompanied by a rhythmic ostinato. They will describe how their music making is influenced by music and performances from different times and places.

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*

C'est Moi-(It's Me!) Interview

In this unit, students will be able to read, write and listen to short conversations in French, in the form of an interview, based on a Q&A format about themselves and other students.

Assessment: Students will write a dialogue in French and speak it, taking the form of an interview conversation and be able to respond to questions, in turn.