



Science

Physical Sciences – Hot stuff

In this unit, students will:

- investigate how heat energy is produced and the behaviour of heat when it transfers from one object or area to another
- explore how heat can be observed by touch and that formal measurements of the amount of heat (temperature) can be taken using a thermometer
- identify that heat energy transfers from warmer areas to cooler areas
- use their experiences to identify questions about heat energy and make predictions about investigations
- describe how they can use science investigations to respond to questions
- plan and conduct investigations about heat and heat energy transfer and collect and record their observations using appropriate equipment to record measurements
- represent their data in tables and simple column graphs, to identify patterns and explain their results
- describe how safety and fairness were considered in their investigations.

Assessment: Understanding heat

Students investigate the behaviour of heat to explain everyday observations.

English

Exploring Poetry

In this unit, students will:

- explore Australian poetry by a range of authors on a range of topics
- explore how language features and structures are used in poetry to suit their purpose and audience
- discuss how authors use literary devices to enhance meaning for their readers
- use interaction skills to contribute to discussions and share ideas.

Assessment:

Students will create and deliver a spoken text to the class on their favourite poem, describing its language features and meaning.

Mathematics

In this unit, students will:

Number

- Recognise and represent unit fractions including $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{5}$ and $\frac{1}{10}$ and their multiples in different ways
- Combine fractions with the same denominator to complete the whole
- Develop, extend and apply their addition and multiplication facts and related facts for subtraction and division through recognising connections between operations and develop automaticity for 2, 3, 4, 5, and 10 multiplication facts
- Become increasingly aware of the usefulness of mathematics to model situations and solve practical problems
- Learn to formulate, choose and use calculation strategies, communicating solutions within a modelling context

Measurement

- Use familiar metric units of length, mass and capacity when estimating, comparing and measuring the attributes of objects
- Make, compare and classify objects using key features

Assessment:

Number:

Students will represent unit fractions and their multiples in different ways and use mathematical modelling to solve practical problems involving multiplication and division.

Measurement:

Students will estimate, measure and compare length, mass and capacity and make, compare and describe the features of objects.

Humanities and Social Sciences

Exploring places near and far

In this semester unit, students will explore:

- identify connections between people and the characteristics of places
- describe the diverse characteristics of different places at the local scale and explain the similarities and differences between the characteristics of these places
- record and represent data in different formats, including labelled maps using basic cartographic conventions
- explain the role of rules in their community and share their views on an issue related to rule-making
- communicate their ideas, findings and conclusions in oral, visual and written forms using simple discipline-specific terms.

Assessment: Students will represent places using different forms of data and will collect and compare information using observations.

Health and Physical Education - *Specialist Teacher*

Having a ball

In this unit, students will refine the fundamental movement skills of throwing (overarm shoulder pass and chest pass) and catching. They will develop understanding of net game movement concepts and strategies and apply these to solve challenges faced during games of Fast 4 Newcombe.

Assessment: Students will apply strategies for working cooperatively and apply rules fairly. They will refine the fundamental movement skills of throwing and catching and apply movement concepts and strategies in Fast 4 Newcombe, to solve a variety of movement challenges.

Digital Technologies – *Specialist Teacher*

In this unit, students will explore and use a range of digital systems, including peripheral devices, explore digital solutions and visual programming language.

Assessment: Students will demonstrate their knowledge and understanding of digital systems and design, implement and evaluate a digital solution using a visual programming language.

Design Technologies

In this unit, students will investigate food and fibre production and food technologies used in modern and traditional societies.

Assessment: Students will design and make a lunch item that includes modern and traditional technologies.

The Arts - Music *Specialist Teacher*

In this unit, students will make and respond to music by exploring the ways that characters and their actions are portrayed musically.

Assessment: Students will use a variety of rhythms and instruments to compose and perform music that depicts a character or their action. They will then explain how they used the elements of music in their performance and composition.