



Mansfield State School Curriculum Overview Year 4 Term 3 2025



Science

Physical Sciences - Investigating contact and non-contact forces

In this unit students

- Investigate the impact of contact and non-contact forces
- use games to investigate and demonstrate the direction of forces and the effect of contact and non-contact forces on objects
- They use their knowledge of forces to make predictions about games and complete games safely to collect data
- Students use tables and column graphs to organise data and identify patterns so that findings can be communicated
- They identify how science knowledge of forces helps people understand the effects of their actions

Assessment: *Experimental Investigation* - Students investigate how contact and non-contact forces are exerted on an object during a game.

Mathematics

In this unit, students will:

Number and Algebra

- draw on proficiency with number facts, fractions and decimals to deepen an appreciation of how numbers work
- choose and use efficient strategies when modelling financial and practical problems, communicating solutions within the context of the situation

Measurement and Space

- measure and estimate common attributes of objects using conventional instruments and appropriate metric units
- represent and approximate shapes and objects in the environment
- compare angles relative to right angles

Assessments:

Number & Algebra – Recognising equivalent fractions and decimals and using mathematical modelling to solve practical problems

Measurement – Measuring perimeter and area and representing shapes and objects

Measurement – Measuring with scaled instruments and comparing angles to a right-angle.

Measurement - To compare angles relative to right angles

English

Building an Argument

In this unit, students will:

- engage with a variety of texts that provide a stimulus and background knowledge for building an argument on environmental issues including deforestation, overfishing and waste management
- explore the use of text structure and organisation in texts, including language features such as objective and subjective language
- engage in shared and independent writing experiences to explore persuasive features of an argument
- use their interaction skills to discuss topics and present arguments.

Assessment:

Create a spoken argument to convince others on a sustainable action for the school or community.

Humanities and Social Sciences

This unit is taught across term 3 and 4.

Students will conduct an inquiry to answer the following question:

How can people use environments more sustainably?

In this unit, students will:

- explore the concept of 'place' with a focus on Africa and South America
- describe the relative location of places at a national scale
- identify how places are characterised by their environments
- describe the characteristics of places, including the types of natural vegetation and native animals
- examine the interconnections between people and environment and the importance of environments to animals and people
- identify the purpose of structures in the local community, such as local government, and the services these structures provide for people and places
- examine the purpose of laws and distinguish between rules and laws

Assessment: Students will compare locations in Africa and South America, they will describe the differences between rules and laws and investigate the roles of Local Government.

Health and Physical Education - *Specialist Teacher*

Culture in Australia: Positive interactions

In this unit, students participate in partner and group activities to explore the communication skills of respect and empathy and how they support positive interactions. They investigate how heritage and culture contribute to identity.

Assessment: Students will create a 'Me Card' based on their heritage and culture. They will demonstrate communication skills and strategies for working cooperatively during games and will observe and respond to varying emotional responses.

The Arts - Music *Ms Harris*

In this unit, students will compose an educational rap for a targeted audience using digital recording technology.

Assessment: Students will collaboratively compose a rap focusing on language features and vocabulary for the targeted audience. They will present their composition using Garage Band.

The Arts - Drama *Mrs Fittell*

In this unit, students will make, perform and respond to drama using the ideas of toys coming to life in a Toy Shop.

Assessment: Students will collaboratively create and perform a scripted drama based on scenarios relating to a Toy Shop.

Design Technologies

In this unit, students will investigate through the design process the suitability of materials. They will investigate systems, components, tools and equipment used for specific purposes. They will explore the role of people in Design and Technologies occupations as well as factors that impact on designs and meet community needs.

Assessment: Design Challenge - Students will repurpose an item to create another useful item.