



# Mansfield State School Curriculum Overview Year 4 Term 3 2023



## 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.

## English

### 1. Examining Humour in Poetry

In this unit, students will:

- read and listen to a range of humorous poems by different authors
- identify structural features and poetic language devices in humorous poetry
- use this knowledge to innovate on poems and evaluate the poems by expressing a personal viewpoint using evidence from the poem.

Assessment: Students will interpret and evaluate a humorous poem and create a spoken presentation of a humorous poem.

### 2. Persuade Me

In this unit, students will:

- Create a structured persuasive text that shows understanding of how images and detail can be used to extend key ideas
- Create a structured text to explain ideas for different audiences
- Make presentations and contribute actively to class and group discussions
- Listen for and share key points in discussions

Assessment: Task 1 - Students will make a presentation and contribute to class and group discussions. Task 2 - Students will create a structured persuasive text about a current environmental issue.

## Mathematics

In this unit, students will:

- **Number and place value** - interpret number representations, sequence number values, apply number concepts and place value understanding to the calculation of addition, subtraction, multiplication and division, develop fluency with multiplication fact families, apply mental and written computation strategies, recall multiplication and division facts and apply place value to partition and regroup numbers to assist calculations.
- **Fractions and decimals** - partition to create fraction families, identify, model and represent equivalent fractions, count by fractions, solve simple calculations involving fractions with like denominators, model and represent tenths and hundredths, make links between fractions and decimals, count by decimals, and compare and sequence decimals.
- **Fractions and decimals** - count and identify equivalent fractions, locate fractions on a number line, read and write decimals, identify fractions and corresponding decimals, and compare and order decimals (to hundredths).
- **Location and transformation** - investigate different types of symmetry, and analyse and create symmetrical designs.
- **Using units of measurement** - use scaled instruments to measure and compare length, mass, capacity and temperature, measure areas using informal units and investigate standard units of measurement.
- **Shape** - compare the areas of regular and irregular shapes using informal units of area measurement.

Assessments: Students will compare the area of shapes, use scaled instruments to measure temperature, mass, capacity and length, recall multiplication and division facts. They will locate fractions on a number line and recognise familiar equivalent fractions, investigate decimal fractions and compare and order decimals.

## 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*

### Movement – Let Me Entertain You!

In this unit, students will explore the refined fundamental movement skills of throwing, catching and balancing and investigate movement concepts to solve movement challenges.

Assessment: Students will perform throwing, catching and balancing sequences. They will apply the fundamental movement skills of throwing, catching, balancing and movement concepts to solve movement challenges.

## The Arts - Music *Specialist Teacher*

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 *Specialist Teacher*

In this unit, students will make, perform and respond to a drama using stimulus and ideas from toys coming to life in a Toy Store.

Assessment: Students will collaboratively create and perform a scripted drama based on a Toy Store.

## 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.