



## MANSFIELD STATE SCHOOL CURRICULUM OVERVIEW YEAR 4 Term 4, 2021



### Earth and Space Sciences

#### Here today, gone tomorrow

In this unit, students will:

- explore natural processes and human activity that cause weathering and erosion of Earth's surface,
- relate this to their local area, make observations and predict consequences of future occurrences and human activity,
- describe situations where science understanding can influence their own and others' actions,
- identify questions and make predictions based on prior knowledge,
- safely use equipment and make and record observations with accuracy, and
- suggest explanations for their observations, compare their findings with their predictions and communicate their observations and findings.

#### Assessment:

##### Investigating soil erosion:

Students will describe the natural processes and human activity that cause changes to Earth's surface; will plan, conduct and report on an investigation of the erosion process and will apply science understandings to formulate control strategies in real-life situations.

### Health and Physical Education

#### Movement and Physical Activity – Splish Splash! *Specialist Teacher*

In this unit, students practise and refine fundamental movement skills to perform various aquatic skills and the recognised strokes of freestyle, backstroke and breaststroke in multiple swimming sequences and examine the benefits of being healthy and physically active, and how they relate to swimming.

**Assessment:** Students will perform aquatic skills and recognised swimming strokes to complete swimming strike sequences.

### English

#### What's your opinion of Rowan of Rin?

In this unit, students will:

- fluently read texts that include varied sentence structures, unfamiliar vocabulary including multisyllabic words,
- describe literal and implied meaning connecting ideas,
- understand how to express an opinion based on information in a text,
- express preferences for particular types of texts, and respond to others' viewpoints,
- listen for and share key points in discussions,
- contribute actively to class and group discussions, varying language according to context, and
- select vocabulary from a range of resources.

#### Assessments:

##### Reading Assessment:

Students will fluently read a passage from the novel Rowan of Rin.

##### Panel Discussion:

Students will use interaction skills to express and respond to others' viewpoints about a character.

### Mathematics

In this unit, students will:

- **Number and place value** - calculate addition and subtraction using a range of mental and written strategies, recall multiplication and related division facts, calculate multiplication and division using a range of mental and written strategies, solve problems involving the four operations, use estimation and rounding, apply mental strategies, add, subtract, multiply and divide two- and three-digit numbers.
- **Fractions and decimals** - count and identify equivalent fractions, locate fractions on a number line, read and write decimals, identify fractions and corresponding decimals, compare and order decimals (to hundredths).
- **Money and financial mathematics** - calculate change to the nearest five cents, solve problems involving purchases.
- **Patterns and algebra** - use equivalent multiplication and division number sentences to find unknown quantities.
- **Using units of measurement** - use am and pm notation, solve simple time problems.
- **Shape** - measure area of shapes, compare the areas of regular and irregular shapes by informal means.
- **Data representation and interpretation** - write questions to collect data, collect and record data, display and interpret data.

#### Assessments:

##### Analysing Data:

Students will define the different methods for data collection and representation, and evaluate their effectiveness. Students construct data displays from given or collected data.

##### Solving purchasing problems:

Students will solve simple purchasing problems including the calculation of change.

##### Connecting decimals and fractions:

Students will demonstrate and explain the connections between fractions and decimals to hundredths.

### The Arts - Music Songs of Australian

#### *Specialist Teacher*

In this unit, students respond to music as they listen and watch performances. They identify the elements in the songs and identify the similarities and differences between pieces.

**Assessment:** Students will listen to two pieces of music, describe the elements and discuss similarities and differences.

### Humanities and Social Sciences

#### Using places sustainably (semester unit)

In this unit, students:

- 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,
- investigate how people use, and are influenced by, environments and how sustainability is perceived in different ways by different groups and involves careful use of resources and management of waste,
- recognise the knowledge and practices of Aboriginal peoples and Torres Strait Islander peoples in regards to places and environments, and
- propose actions for caring for the environment and meeting the needs of people.

#### Assessment:

Students will compare locations and collect and represent data regarding waste management.

### Digital Technologies *Specialist Teacher*

#### What's your waste footprint?

Students will explore and manipulate different types of data and transform data into information. They will create a digital solution that presents data as meaningful information to address a school issue.

#### **Assessment: Portfolio**

Students will collect and manipulate data to create information. They will draw, identify and explain data types and representations.