

**MANSFIELD STATE SCHOOL
CURRICULUM OVERVIEW
YEAR 6
Term 3 2022**

Earth Sciences

Our Changing World

In this unit, students will:

- explore how sudden geological changes and extreme weather events can affect Earth's surface
 - consider the effects of geographical disasters (earthquakes, tsunamis, flooding and volcanoes) on Earth's surface and how communities are affected by these events
 - gather, record and interpret data relating to weather and weather events
 - explore the ways in which scientists are assisted by the observations of people from other cultures, including those throughout Asia
 - construct representations of cyclones and evaluate community and personal decisions related to the preparation for natural disasters
 - investigate how predictions regarding the course of tropical cyclones can be improved by gathering data.
- Assessment:** Students will explain how natural events cause rapid changes to the Earth's surface.

English

Interpreting literary texts

In this unit students will:

- listen to, read and view extracts from literary texts set in earlier times
- demonstrate their understanding of how the events and characters are created within historical contexts
- create a literary text that establishes time and place for the reader and explores personal experiences.

Assessments:

Productive Assessment:

Students will write an historical recount to evoke a sense of time and place.

Receptive Assessment:

Students will read and comprehend a letter from a different historical context and analyse and explain language features.

Mathematics

- **Money and financial mathematics** - Connect fractions and percentage, calculate percentages and discounts, and calculate discounts of 10%, 25% and 50% on sale items.
 - **Number and place value** - Identify and describe properties of prime, composite, square and triangular numbers, multiply and divide using written methods, solve problems involving all four operations with whole numbers, locate and represent integers on a number line and solve problems involving integers.
 - **Location and transformation** - Identify the four quadrants on a Cartesian plane, plot and locate ordered pairs in all four quadrants, apply one-step transformations and describe the effect of combinations of translations, reflections and rotations.
 - **Patterns and algebra** - Create and complete sequences involving fractions and decimals, describe the rule used to create the sequence and apply the order of operations to aid calculations when solving problems.
 - **Fractions and decimals** - Add and subtract fractions with related denominators, calculate a fraction of a quantity, multiply and divide decimals by powers of ten, add and subtract decimals, multiply decimals by whole numbers, divide numbers that result in tenths and hundredths and solve problems involving fractions and decimals.
 - **Using units of measurement** - Connect decimals to the metric system, convert between units of measurement, compare length and solve problems involving length and area and connect volume and capacity.
- Assessments:** Students will calculate fractions and decimals, locate integers and describe transformations, identify number properties and calculate percentage discounts.

Humanities and Social Sciences

Australia in a diverse world (Weeks 1-6)

Students will explore the following inquiry question:

How do places, people and cultures differ across the world?

Students will:

- examine the geographical diversity of the Asia region and the location of its major countries in relation to Australia
- investigate differences in the economic, demographic and social characteristics of countries across the world
- consider the world's cultural diversity, including that of its Indigenous peoples
- identify Australia's connections with other countries
- organise and represent data in large- and small-scale maps using appropriate conventions
- interpret data to identify, describe and compare distributions and trends
- present ideas, findings and conclusions in a range of communication forms that incorporate source materials, mapping, communication conventions and discipline-specific terms.

Assessment: Students will demonstrate an understanding of the diversity of places by representing, interpreting and describing data and information about the characteristics of places.

Australia's global connections (T3, Weeks 7 – T4, W4)

In this unit, students will explore the inquiry questions:

- *What are Australia's global connections between people and places?*
- *How do people's connections to places affect their perception of them?*

Learning opportunities support students to:

- develop appropriate questions to frame an investigation
- locate and collect useful information from primary and secondary sources
- interpret data to identify patterns and trends, and to infer relationships
- identify different points of view and solutions to an issue
- reflect and propose action in response to an issue.

**Health and Physical Education *Specialist Teacher*
Personal, Social and Community Health
Transitioning**

In this unit, students explore the feelings, challenges and issues associated with making the transition to secondary school. They devise strategies to assist them in making a smooth transition.

Assessment: Students recognise the influence of emotions and discuss factors that influence how people interact in new situations. Students investigate developmental changes and transitions.

The Arts - Music *Specialist Teacher*

In this unit, students will compose a piece of music that includes melody and a rhythmic ostinato accompaniment.

Assessment: Students will compose in Rondo form (A-B-A-C), using a pentatonic scale (5 notes), known rhythms, expressions and tempo elements.

Design and Technologies

In this unit, students will:

- investigate how electrical energy can control movement, sound or light in a designed product or system
- design a solution to an environment's need and make a prototype electrical device.

Assessment: Students will design a solution to an environment's security need and make an electrical device that is part of the solution.

French *Specialist Teacher*

In this unit, students will:

- describe their ideal room in French
- write using a structured model
- use language features and grammar.

Assessment: Students will write a description explaining places using French terms and expressions.