



**MANSFIELD STATE SCHOOL
CURRICULUM OVERVIEW
YEAR 6
Term 4 2021**

**Biological Sciences
Life on Earth**

In this unit, students will:

- explore the environmental conditions that affect the growth and survival of living things,
- use simulations to plan and conduct fair tests and analyse the results of these tests,
- pose questions, plan and conduct investigations into the environmental factors that affect the growth of living things,
- gather, record and interpret observations relating to their investigations,
- consider human impact on the environment and how science knowledge can be used to inform personal and community decisions, and
- recommend actions to develop environments for native plants and animals.

Assessments: Students:

- develop investigable questions
- design investigations into simple cause-and-effect relationships.
- describe and predict the effect of environmental changes on individual living things.

English

Comparing texts: In this unit students will:

- listen to, read, view and analyse literary and informative texts on the same topic,
- explore and evaluate how topics and messages are conveyed through both literary (imaginative) and informative texts, including digital texts,
- identify the author's purpose and analyse similarities and differences in texts,
- compare and analyse the effectiveness of each text in its ability to deliver a message,
- write arguments persuading others to a particular point of view using specific structural and language features studied during the unit,
- transform an informative text into a literary text for younger audiences, and
- participate in a panel discussion (aligned with Wonders of Science).

Assessments:

Productive Assessment: Panel Discussion
Students will:

- participate in a panel discussion to analyse and evaluate Wonder of Science presentations by peers,
- transform the information from this text into a narrative text for a younger reader, keeping the message about the sustainability issue.

Mathematics

In this unit students will study:

- **Fractions and decimals** - add, subtract and multiply decimals; divide decimals by whole numbers; calculate a fraction of a quantity and percentage discount; compare and evaluate shopping options.
 - **Patterns and algebra and Number and place value** - represent number patterns in a table and graphically, use rules to continue patterns, write a rule to describe a pattern, apply the rule to find the value of unknown terms, solve integer problems, plot coordinates in all four quadrants, solve problems using the order of operations, and solve multiplication and division problems using a written algorithm.
 - **Using units of measurement** - Interpret and use timetables
 - **Location and transformation** - apply translations, reflections and rotations to create symmetrical shapes.
 - **Geometric reasoning** - measure and describe angles, apply generalisations about angles on a straight line, angles at a point and vertically opposite angles and apply in real-life contexts.
 - **Chance** - conduct chance experiments; record data in a frequency table; calculate relative frequency; write probability as a fraction, decimal or per cent; compare observed and expected frequencies.
 - **Data representation and interpretation** - compare primary and secondary data, source secondary data, explore data displays in the media, identify how displays can be misleading, represent data from a chance experiment, problem solve and reason by interpreting secondary data.
- Assessments:** Students:
- compare observed and expected frequencies and write probabilities using simple fractions, decimals and percentages.
 - use simple strategies to reason and solve a data inquiry question.
 - use simple strategies to reason and solve a data and measurement inquiry question.

Humanities and Social Sciences

Making decisions to benefit the community

In this unit, students will

- investigate a familiar community or regional economics or business issue that may affect the individual or the local community,
- examine how the concept of opportunity cost involves choices about the alternative use of resources and the need to consider trade-offs,
- identify the effect that consumer and financial decisions can have on the individual, the broader community and the environment,
- recognise the reasons businesses exist and the different ways they provide goods and services,
- present findings and conclusions in a range of communication forms that incorporate source materials, communication conventions and discipline-specific terms.

Assessment:

Students explain ways that resources can be used to benefit individuals, the community and the environment.

Design Technologies

This subject was taught and assessed in Term 3.

Health and Physical Education – Junior Lifesaver

Movement and Physical Activity *Specialist Teacher*

In this unit, students will combine lifesaving skills, movement concepts and strategies to complete lifesaving scenarios.

Assessment: Students will perform water safety skills and scenarios.

Personal, Social and Community Health – Transitioning

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

Assessment: Students will recognize the influence of emotions and investigate transitions.

The Arts - Music *Specialist Teacher*

In this unit, students will perform, compose and respond to music. They will explore common rhythmic patterns used in traditional cultures.

Assessment: Students will describe how other people's music influences their own compositions.

The Arts – Media Arts – What's the story?

In this unit, students will plan, produce and present media artworks to explore representations using images, sounds and text.

Assessment: Students will work collaboratively to produce an interview-based documentary about transitioning to high school.

French – What do my interests say about me?

In this unit, students discuss leisure activities and analyse texts about interests in French-speaking countries

Assessment: Students use French to discuss their interests and identify key points and supporting details in a conversation between two students.