



MANSFIELD STATE SCHOOL
CURRICULUM OVERVIEW
YEAR 5
Term 2 2021



Earth and Space Science

Our place in the solar system

In this unit, students will:

- describe the key features of our solar system including planets and stars
- discuss scientific developments that have affected people's lives and describe details of contributions to our knowledge of the solar system from a range of people
- communicate their ideas in a variety of multimodal texts including recording in data sheets and as a report for popular media.
- **Assessment: Guided Inquiry - Written response**
Students will conduct a guided inquiry on the solar system, communicating their ideas in a multi-modal format.

English

Persuasive response - The significance of space research

In this unit, students will:

- listen to, read, view and interpret a range of persuasive texts to understand how best to persuade an audience about a viewpoint
- They will respond to viewpoints portrayed in different types of texts
- apply comprehension strategies, focusing on particular viewpoints portrayed in a range of texts
- create a persuasive text from a particular viewpoint.

Assessments:

- **Productive Assessment: Persuasive argument - Expressing Point of View**
Students will write a persuasive text to convince an audience that a space port in the nearby suburb of Rochedale is a good decision.
- **Receptive Assessment: Reading Comprehension**
Students will interpret and analyse information from a feature article.

Mathematics

In this unit, students will:

- **Number and place value** - round and estimate to check the reasonableness of answers, explore and apply mental computation strategies for multiplication and division, solve multiplication and division problems with no remainders, solve problems using mental computation strategies and informal recording methods, compare and evaluate strategies that are appropriate to different problems and explore and identify **factors and multiples**.
- **Fractions and decimals** - make connections between fractional numbers and the place value system; and represent, compare and order decimals
- **Patterns and algebra** - create and continue patterns involving whole numbers, fractions and decimals; explore strategies to find unknown quantities.
- **Shape** - apply the properties of three-dimensional objects to make connections with a variety of two-dimensional representations of three-dimensional objects, represent three dimensional objects with two-dimensional representations.
- **Location and transformation** - investigate and create reflection and rotation symmetry, describe and create transformations using symmetry, transform shapes through enlargement and describe the features of transformed shapes.
- **Geometric reasoning** - identify the components of angles, compare and estimate the size of angles to establish benchmarks, construct and measure angles.
- **Data representation and interpretation** - explore methods of data representations to construct and interpret data displays, reason with data.

Assessments: Applying shape, angle and transformation concepts (short answer responses); Investigating involving data - Guided Inquiry.

Humanities and Social Sciences

People and the environment

In this unit, students will explore the following inquiry question:

How do people and environments influence one another?

Learning opportunities support students to:

- examine the characteristics of places in Europe and North America and the location of their major countries in relation to Australia
- describe the relative location of places at a national scale
- identify and describe the human and environmental factors that influence the characteristics of places
- examine the interconnections between people and environments
- investigate the impact of human actions on the environmental characteristics of places in Europe and North America
- organise data in a range of formats using appropriate conventions
- interpret data to identify simple patterns, trends, spatial distributions and infer relationships
- evaluate evidence about the characteristics of places to draw conclusions about preferred places to live
- present findings and conclusions using discipline-specific terms.

Assessment: Students will investigate the characteristics of places and use evidence to draw conclusions about a preferred place to live.

Health and Physical Education

Movement and Physical Activity *Specialist Teacher*

In this unit, students will explore athletic movement sequences involving running, jumping and throwing.

Assessment: Students will demonstrate fundamental movement skills, movement concepts and strategies in athletic activities.

Personal, Social and Community Health

In this unit, students will gain an understanding of multiculturalism by examining the changing nature of Australia's cultural identity.

Assessment: Students will explain the influence of people and places on identity.

The Arts - Music *Specialist Teacher*

In this unit, students will sing and play well-known songs from films. They will explain how musical elements enhance the films.

Assessment: Students will listen and respond to music related to films. They will explain how the elements of music are used to enhance the film.

The Arts - Visual Arts

In this unit, students will, develop and apply techniques and processes when making artworks, explain how visual arts conventions communicate meaning, explore ideas and practices used by artists and plan the display of artworks to enhance their meaning for an audience.

Digital Technologies

In this unit, students will investigate the functions and interactions of digital components and data transmission in simple networks.

Assessment: Digital systems – Students will connect and program digital systems.