



MANSFIELD STATE SCHOOL
CURRICULUM OVERVIEW
YEAR 4
Term 3, 2022



Chemical Sciences - All About Materials

In this unit, students will:

- investigate physical properties of materials and consider how these properties influence the selection of materials for particular purposes
- consider how science involves making predictions and how science knowledge helps people to understand the effect of their actions
- make predictions and use appropriate materials and equipment safely to make and record observations when conducting investigations
- represent data, identify patterns in their results, suggest explanations for their results, compare their results with their predictions, and reflect upon the fairness of their investigations
- complete simple reports to communicate their findings.

Assessment:

Students will investigate the observable properties of materials and explain how they are used in real life.

English

Quest Novel – Rowan of Rin

In this unit, students will:

- explain how language features and vocabulary are used to engage the interest of the audience
- describe literal and implied meaning the text
- explore how the meaning of sentences can be enriched through the use of language features and vocabulary
- use language features to create coherence and add detail to their work
- reread and revise written texts to improve accuracy and clarity

Assessment: Students will analyse the novel Rowan of Rin to explain how the author represents the main character during an important event in the story.

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 a piece of music that depicts a character and/or their actions.

Assessment: Students will collaboratively compose music using an A-B-C structure, pentatonic scales (5 notes), known rhythms, instrumentation and expression elements.

The Arts – Drama *Specialist Teacher*

In this unit, students will make and respond to drama by exploring dramatic traditions and practices using the novel Rowan of Rin as a story stimulus.

Assessment: Students will collaboratively create and perform a scripted drama based on a section from the novel Rowan of Rin.

Design Technologies

In this unit, students will:

- investigate food and fibre production and food technologies used in modern and traditional societies.

Assessment: As part of the SAKG program, students will design and make a lunch item that includes modern and traditional technologies.