



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

Physical Sciences – Hot stuff

In this unit, students will:

- investigate how heat energy is produced and the behaviour of heat when it transfers from one object or area to another
- explore how heat can be observed by touch and that formal measurements of the amount of heat (temperature) can be taken using a thermometer
- identify that heat energy transfers from warmer areas to cooler areas
- use their experiences to identify questions about heat energy and make predictions about investigations
- describe how they can use science investigations to respond to questions
- plan and conduct investigations about heat and heat energy transfer and collect and record their observations using appropriate equipment to record measurements
- represent their data in tables and simple column graphs, to identify patterns and explain their results
- describe how safety and fairness were considered in their investigations.

Assessment: Understanding heat

Students investigate the behaviour of heat to explain everyday observations.

English

Examining informative texts

In this unit, students will:

- listen to, view, read and interpret imaginative and informative texts from different cultures
- comprehend texts and explore text structure, language choices and visual features used to suit the context, purpose and audience
- create a multimodal informative text.

Assessments:

Productive Assessment - Multimodal informative text

Students create a simple multimodal informative text with aligned visual features.

Mathematics In this unit, students will:

- **Number and place value** - count and sequences beyond 1 000, represent, combine and partition three-digit and four-digit numbers flexibly, use place value to add (written strategy), represent multiplication as arrays and repeated addition, identify part-part-whole relationships in multiplication and division situations, add and subtract two-digit numbers and three-digit numbers, recall multiplication number facts, identify related division number facts, make models and use number sentences that represent problem situations, recall addition and subtraction facts, identify and describe the relationship between addition and subtraction, choose appropriate mental strategies to add and subtract.
- **Money and financial mathematics** - represent money amounts in different ways, compare values, count collections of coins and notes accurately and efficiently, choose appropriate coins and notes for shopping situations, calculate change and simple totals,
- **Fractions and decimals** - represent and compare unit fractions, represent and compare unit fractions of shapes and collections, represent familiar unit fractions symbolically, solve simple problems involving, halves, thirds, quarters and eighths.
- **Patterns and algebra** - identify number patterns to 10 000, connect number representations with number patterns, use number properties to continue number patterns, identify pattern rules to find missing elements in patterns.
- **Location and transformation** - describe and identify examples of symmetry in the environment, fold shapes and images to show symmetry, classify shapes as symmetrical or non-symmetrical.
- **Units of measurement** - use familiar metric units to order, compare and measure objects, explain measurement choices, measure length using part units and centimetres, represent time to the minute on digital and analog clocks, tell time to the minute and transfer knowledge of time to real-life contexts.

Assessments: Students will use metric units for measurement and comparison. They will tell time to the nearest minute and solve problems involving time. They will classify numbers and recognise the connection between addition and subtraction.

Humanities and Social Sciences

Exploring places near and far

In this semester unit, students will explore:

- identify connections between people and the characteristics of places
- describe the diverse characteristics of different places at the local scale and explain the similarities and differences between the characteristics of these places
- interpret data to identify and describe simple distributions and draw simple conclusions
- record and represent data in different formats, including labelled maps using basic cartographic conventions
- describe the importance of making decisions democratically and propose individual action in response to a democratic issue
- explain the role of rules in their community and share their views on an issue related to rule-making
- communicate their ideas, findings and conclusions in oral, visual and written forms using simple discipline-specific terms.

Assessment: Students will represent places using different forms of data and will collect and compare information using observations.

Health and Physical Education *Specialist Teacher*

Movement - In this unit, students will refine throwing/catching skills, and apply net game strategies to solve the offence and defence challenges faced during games of Newcombe.

Assessment: Students will demonstrate throwing/catching skills, apply concepts and strategies to solve challenges, and apply rules fairly.

Health - In this unit, students explore the concept of sustainable practice and the ways that they can contribute to the sustainability of the environment in their home, classroom and school.

Assessment: Students will investigate sustainable practices at school and make suggestions about extending a practice outside school.

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.

Digital Technologies *Specialist Teacher*

In this unit, students will explore and use a range of digital systems, including peripheral devices, explore digital solutions and visual programming language.

Assessment: Students will demonstrate their knowledge and understanding of digital systems and design, implement and evaluate a digital solution using a visual programming language.

ART –

In this unit, students will explore the communication of cultural meaning through found objects and surface manipulation. They will make, display and discuss their own and others' artworks.

Assessment: Collection of Work
Students will describe how found objects can communicate meaning in three-dimensional artworks.