

SCIENCE



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Year 5-6 Science



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Year 3-5 Science



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Term 4 Science Overview

This term in Foundation Science, students will explore how a variety of scientists help people, care for animals, and protect the environment. Through hands-on activities, stories, and discussions, they will see science as a human endeavour that is part of everyday life. Students will be encouraged to ask questions, make predictions, use their senses to explore, and begin thinking like scientists as they observe, investigate, and reflect on their learning.

In Year 1 and 2 Science this term, we will explore how people, like palaeontologists, help us learn about the past through their scientific work. We are learning about prehistoric animals, including dinosaurs, and discovering how fossils give us clues about what these creatures were like and how they lived. By investigating how palaeontologists carefully dig up and study fossils, we begin to understand how science helps humans make discoveries and share knowledge. Through stories, hands-on activities, and role-play, we will see how science is used to ask questions about the world and find answers—even about animals that lived millions of years ago!

In Term 4 students will be comparing the observable properties of soils and rocks to better understand them as diverse natural resources. We will examine soil samples from across the school and compare their quantities of sand, silt, and clay using several real-life techniques. Students will describe a soil sample in regards to its texture, colour, and amount of different soil particles. We will also examine rocks and classify them according to various observable properties and learn about their uses in everyday life such as electronics and glass production. Learning intentions, technical language help, and success criteria examples will be available through the Middle Primary Science Google Classroom, students may collect a code slip from outside the Science Room to join.

Throughout Term 4, our Year 5 and 6 students will be learning about the particle arrangement of solids, liquids and gases, and exploring how these arrangements influence their observable properties. Students will also classify and compare physical and chemical changes in materials.

A key focus this term will be on developing strong science inquiry skills. Students will practise questioning and predicting, planning and conducting investigations, and evaluating their methods and findings. They will learn to design safe, repeatable investigations by identifying variables that need to be changed, measured and controlled. Students will use scientific equipment to collect and record data with accuracy, and construct representations to organise and interpret their results.

Through this process, students will describe patterns, trends and relationships, consider potential sources of error, pose new questions for further investigation, and draw reasoned conclusions supported by evidence.

