

Term 3 Science Overview



SCIENCE

Reception

Students will be learning Biological Science through a hands-on unit called Exploring Living Things. They will identify living and non-living things, learn what all living things need to survive, explore animals, and plants, and discover how to care for living things.

Years 1 and 2

Students will explore the Earth and Space Science area of the curriculum. They will learn about the observable features of the sky and the daily and seasonal changes on Earth.

Key learning outcomes for the term include recognising weather patterns and how they change across seasons as well as exploring how the Earth's surface changes over time, such as the movement of clouds and the position of the sun throughout the day. Students will learn about the extensive knowledge of Aboriginal people in relation to the landscape and sky, and how it connects with daily and seasonal changes.

Students will engage in hands-on activities, observations, and discussions to help them connect the science concepts with their everyday experiences, building a foundation for further exploration of Earth and space in future years.

Year 3 and 4 students

The focus will be on heat energy through a Chemistry lens, specifically how solids and liquids can change when heat is added or removed. We will first learn to classify solids and liquids using scientific reasoning. This will connect to our learning around classifying living and non-living things from Biology in Term 1 and continue our progression towards using formal classification systems rather than informal or anecdotal evidence.

Students will explore how solids change when heat is applied, and the change of state to a liquid, and explain this using technical language including reference to particle movements. The same will be applied to the reverse process, a liquid solidifying or freezing when heat is removed.

Finally, students will work in groups to apply what we have learnt about heat energy, heat transfer, and melting to construct an insulation device that will (hopefully) keep an ice cube frozen even when left outside in the Sun.

Throughout the term, the Science Inquiry Skills will be assessed, including the collection of accurate data and writing scientific conclusions.

Years 5 and 6

Students will learn from the Physical Science area of the curriculum. By the end of the term students are aiming to be able to identify sources of light, recognise that light travels in a straight path, describe how shadows are formed and understand how light can be reflected and refracted. We have a dissection of an eyeball incursion where students will see the parts of the eye and understand how the structure of the eye allows us to 'see'. During our learning about the eye we will learn from the 'Use and Influence of Science' area of the curriculum about how differences in an individual's eye can cause problems such as short or long sightedness, and how scientists and professionals can use knowledge of the way the eye works to correct these problems with glasses.



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Year 5-6 Science



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Year 3-5 Science



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Reception - Year 2



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