

# SCIENCE

In Stage 4 Science students engage in scientific inquiry to develop their knowledge of the nature, development and importance of scientific evidence. They identify questions and problems they can test or research scientifically and use appropriate understanding and skills to generate plausible solutions to those problems. They explain how scientific knowledge changes as new discoveries and technological developments are made available, appreciating that new evidence leads to an improved understanding of the world.

Students will:

- Describe the action of unbalanced forces on the motion of objects in everyday situations, including the Earth's gravity and discuss how developments in technology have contributed to the use of energy in society.
- Relate the structure and function of living things to their classification, survival and reproduction.
- Predict the effects of environmental changes on ecosystems.
- Explain the contribution of scientific knowledge and technological advances to finding solutions for contemporary issues and discuss how these solutions may involve ethical considerations.

