

Semester 1 Overview 2022

9 Science

Term	Topic	Assessment
1	<p style="text-align: center;">Unit 1: Responding to change</p> <p>Students will:</p> <p>In this unit students will explore the concepts of change and sustainability within an ecosystem. They will understand that all life is connected through ecosystems and changes to its balance can have an effect on the populations, interrelationships and the flow of matter and energy. Students will formulate questions, analyse data and develop related recommendations, including ethical considerations. They will investigate and reflect upon the state of Australian environments, locally and nationally, and their individual and collective responsibility for the sustainability of ecosystems.</p>	<p style="text-align: center;">Scientific Research Claim - Week 8 Term 1 2022.</p>
2	<p>Unit 2 - Energy (Physics)</p> <p>Students will:</p> <p>Examine, inquire and explain ways in which energy can be transferred through different mediums using the particle model. Students have opportunities to form hypotheses and investigate quantitative and qualitative data and information on the flow of electrical energy and heat energy. They use these findings, scientific knowledge and prior understanding to form conclusions. Students evaluate explanations and claims using scientific knowledge. They assess energy efficiencies of different materials to make informed decisions about the influence of science and technology on energy use.</p>	<p style="text-align: center;">Data Test – Week 8 Term 2 2022</p>