

Semester 1 Overview 2022

8 Science

Term	Topic	Assessment
1	<p style="text-align: center;">Unit 1: Particle model and chemistry of common substances</p> <p>Students will:</p> <p>Revise the particle model of matter. Students will observe a selection of images of elements, and represent the differences in the particle nature of elements, compounds, mixtures and pure substances using diagrams. Students will record definitions of element, compound, pure substance and mixture in terms of particles and construct labelled diagrams to represent and analyse what happens at the particle level during a chemical change.</p>	<p style="text-align: center;">Data Test - Week 8 Term 1 2022.</p>
2	<p>Unit 1 - Energy in my life</p> <p>Students will:</p> <p>In this unit students will classify energy forms. They will investigate different forms of potential energy, make predictions and conduct fair and safe experimental tasks. Students will process and analyse experimental data and information and evaluate the experimental method used. They will use models and representations to examine kinetic energy and its relationship with potential energy and heat. Students will communicate how energy is transferred and transformed through systems. They will recognise that energy can be transformed into usable and unusable forms and consider how this can impact on the efficiency of a system. Students will discuss the use and influence of science on the utilisation of energy sources and consider how the efficiency of these sources in the production of energy could influence their use by society.</p>	<p style="text-align: center;">Scientific Investigation – Week 8 Term 2 2022</p>

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