

Semester 1 Overview 2022

10 Science

Term	Topic	Assessment
1	<p>Unit 1: Energy and Forces</p> <p>Students will:</p> <p>Explore and apply Newton's Three Laws of Motion to predict, describe and calculate the effect of forces on the motion of objects. They develop questions and hypotheses, assess risks, and consider accuracy when using a range of methods, including the use of digital technologies, to collect reliable data. Students will analyse data and draw conclusions using their knowledge of Newton's First, Second and Third Laws of Motion. They will explain sources of uncertainty and describe ways to improve experimental methods to improve data quality</p>	<p>Scientific Experiment - Week 9 Term 1 2022.</p>
2	<p>Unit 2 - Chemistry isn't magic</p> <p>Students will:</p> <p>Explore how elements are positioned relative to each other on the periodic table. They will investigate the factors that permit the formation of compounds and determine whether a reaction is possible. Students will plan, conduct, evaluate and report on an investigation into the reaction of ionic compounds. They will examine different types of reactions and consider the usefulness of the products. Students will consider how the development of technology has redefined the model of the atom.</p>	<p>Data Test – Week 8 Term 2 2022</p>