

Year 8 Science (SCI081X)
Learning & Assessment Overview 2020

Semester 1		Semester 2	
Unit 1: Mix, make and use	Unit 2: Toy factory	Unit 3: Good to grow	Unit 4: Save planet Earth
Students investigate combinations of different materials and give reasons for the selection of particular materials according to their properties and purpose. Students understand that science involves asking questions about, and describing changes to, familiar objects and materials. They describe changes made to materials when combining them to make an object that has a purpose in everyday life. Students pose questions, make predictions and follow instructions to record observations in a guided investigation. They represent and communicate their observations using scientific language.	Students understand how a push or pull affects how an object moves or changes shape. They understand that science involves asking questions about and describing changes in the way an object moves or can be moved and how this knowledge is used in their daily lives. They pose questions and make predictions about changes that can affect how an object moves, and investigate and explain how pushes and pulls cause movement in objects, comparing their observations with predictions. They use informal measurements to make and compare observations about movement and sort information about the way toys move. They then apply this science knowledge in explaining how pushes and pulls can be used to change the movement of a toy or object they create.	Students examine how living things, including plants and animals, change as they grow. They ask questions about, investigate and compare the changes that occur to different living things during their life stages. Students consider how Aboriginal peoples and Torres Strait Islander peoples living a traditional lifestyle use the knowledge of life stages of animals and plants in their everyday lives. They conduct investigations including exploring the growth and life stages of a class animal and plant. Students respond to questions, make predictions, use informal measurements, sort information, compare observations, and represent and communicate observations and ideas.	Students investigate Earth's resources. They describe how Earth's resources are used and the importance of conserving resources for the future of all living things. They use informal measurements to record observations from experiments. Students use their science knowledge of conservation to propose and explain actions that can be taken to conserve Earth's resources, and decisions they can make in their everyday lives. Students share their ideas about conservation of Earth's resources in a presentation. Students learn how Aboriginal peoples and Torres Strait Islander peoples use their knowledge of conservation in their everyday lives.
Unit Duration Weeks 1 - 10 (10 weeks)	Unit Duration Weeks 11 - 20 (10 weeks)	Unit Duration Weeks 21 - 30 (10 weeks)	Unit Duration Weeks 31 - 38 (8 weeks)
Assessment Task/s	Assessment Task/s	Assessment Task/s	Assessment Task/s
Observations and Monitoring SCI 08.01.01 Experimental investigation	Observations and Monitoring SCI 08.02.01 Experimental investigation	Observations and Monitoring SCI 08.03.01 Supervised assessment	Observations and Monitoring SCI 08.04.01 Report
<i>On going throughout the term</i> Issued: Week 1 Due: Week 10	<i>On going throughout the term</i> Issued: Week 11 Due: Week 20	<i>On going throughout the term</i> Issued: Week 21 Due: Week 30	<i>On going throughout the term</i> Issued: Week 31 Due: Week 38