

NSW Stages 4 &5 Science Syllabus

	Outcome	<i>Awesome Earth</i> exhibits
Prescribed Focus Area	4.1 A student identifies historical examples of how scientific knowledge has changed people's understanding of the world.	At Fault Epicentre Get the Drift Raise the Roof
Domain – Knowledge and Understanding	4.7 A student describes observed properties of substances using scientific models and theories.	Most exhibits in <i>Awesome Earth</i>
Domain – Knowledge and Understanding	4.9 A student describes the dynamic structure of Earth and its relationship to other parts of our solar system and universe.	Most exhibits in <i>Awesome Earth</i>
Domain – Skills	4.19 A student draws conclusions based on the information available.	Most exhibits in <i>Awesome Earth</i>
Domain – Knowledge and Understanding	5.6 A student applies basic physical models, theories and laws to situations involving energy, force and motion.	Most exhibits in <i>Awesome Earth</i>
Domain – Knowledge and Understanding	5.9 A student relates the development of the universe and the dynamic structure of Earth to models, theories and laws and the influence of time.	Most exhibits in <i>Awesome Earth</i>

NSW Stage 6 Earth and Environmental Science

	Objectives	Preliminary Course Outcomes	HSC Course Outcomes	Awesome Earth exhibit
Prescribed Focus Areas	Students will develop knowledge and understanding of:	A Student:	A Student:	
	1. the history of Earth and Environmental Science.	P1 outlines the historical development of major Earth and Environmental Science principles, concepts and ideas.	H1 evaluates how major advances in scientific understanding or technology have changed the direction or nature of scientific thinking.	Convection Currents Get the Drift Lava Tube – Prediction and Benefits Waves and Wobbles
	3. applications and uses of Earth and Environmental Science.	P3 assesses the impact of particular technological advances on understanding in Earth and Environmental Science.	H3 assesses the impact of particular advances in Earth and Environmental Science on the development of technologies.	Earthquake Pipe El Niño and La Niña Quakemaker Raise the Roof Richter Rumbler
	5. current issues, research and developments.	P5 describes the scientific principles employed in particular areas of Earth and Environmental Science research.	H5 identifies possible future directions of Earth and Environmental Science research.	Epicentre Lava Tube – Prediction and Benefits Quakemaker
Domain: Knowledge and Understanding	8. models to explain structures and processes of change.	P8 discusses the interplay between the internal and external forces which constantly reshape the Earth's surface.		Most exhibits in <i>Awesome Earth</i>