

National Profile Level 1-3 Science and SOSE Outcomes for Earth Quest

Level 1 Science Outcomes

STRAND	ORGANISER	OUTCOME	Evident when students, for example:	EARTH QUEST EXHIBITS
Earth and Beyond	Earth, sky and people	1.1 Lists ways that the local environment influences daily life.	<ul style="list-style-type: none"> Investigate the patterns and movement of clouds and associate them with changes in the weather. Use pictures to record the weather and relate the weather to their daily activities. Identify types of weather expected at different seasons. 	What Weather? Seasons in a Spin
	The changing Earth	1.2 Distinguishes major features of the physical environment.	<ul style="list-style-type: none"> Find out about landforms and vegetation in other places and compare them with the local landscape. 	Hidden Depths Landscape Journey Plants in Place Urban Jungle
	Our place in space	1.3 Identifies features of the day and night sky and relates them to patterns of behaviour in everyday life.	<ul style="list-style-type: none"> Identify characteristics of the seasons and relate them to activities such as gardening, leisure and sports. 	Seasons in a Spin
Life and Living	Living together	1.7 Identifies personal needs and the needs of other familiar living things.	<ul style="list-style-type: none"> Describe places where particular living things, such as ferns are found. Tell a story about what can happen when the needs of animals and plants are not met. 	Plants in Place Urban Jungle
	Structure and function	1.8 Identifies observable personal features and those of other familiar living things.	<ul style="list-style-type: none"> Name external parts of plants found at home or school. Draw the external parts of pets or farm animals. 	Plants in Place Evolution
	Biodiversity, change and continuity	1.9 Identifies personal features and those of animals and plants that change over time.	<ul style="list-style-type: none"> Investigate the changes in familiar animals and plants over time. 	Fossil Finder Evolution Deep Sea Glow Plants in Place

Level 2 Science Outcomes

STRAND	ORGANISER	OUTCOME	Evident when students, for example:	EARTH QUEST EXHIBITS
Earth and Beyond	Earth, sky and people	2.1 Records ways we monitor and use information about changes to the Earth.	<ul style="list-style-type: none"> Investigate and compare indicators used in weather forecasting by local people. 	Air Pressure What Weather?
	The changing Earth	2.2 Describes changes that occur in the local environment.	<ul style="list-style-type: none"> Simulate the formation of a valley or gorge by making a working model. Gather information about the effects of changes like day and night, seasons, tides and drought on animals, plants, the landscape and human activities such as farming. 	Earthquake Making Mountains Plants in Place Seasons in a Spin Turn the Tides Volcanoes
	Our place in space	2.3 Investigates the apparent motion of the sun in relation to the Earth and how this affects everyday life.	<ul style="list-style-type: none"> Write scenarios on the effects of blocking out the sun for an hour, a month and a year. 	The Solar System Seasons in a Spin Spinning Sun
Life and Living	Living together	2.7 Describes the types of relationships between living things.	<ul style="list-style-type: none"> Investigate how living things depend on each other for food and shelter, such as trees providing food and shelter for some birds. Talk about ways that animals (including humans) respond to other animals, as in courting, fight or flight, caring for the young. 	Deep Sea Glow Food Pyramids Urban Jungle
	Structure and function	2.8 Links observable features to their functions in familiar living things.	<ul style="list-style-type: none"> Identify external parts of animals such as noses, ears, feet, gills, spines and tails and describe their uses. Note features of animals and plants that assist them to survive in their environment (relate the shape of birds' beaks to what they eat). 	Deep Sea Glow Evolution Plants in Place
	Biodiversity, change and continuity	2.9 Compares and contrasts similarities and differences within and between groups of familiar living things.	<ul style="list-style-type: none"> Name the distinguishing features of major animal groups such as vertebrates and invertebrates, amphibians and reptiles. Prepare a collage to illustrate the diversity of animal and plant forms. 	Deep Sea Glow Evolution Landscape Journey Plants in Place

Level 3 Science Outcomes

STRAND	ORGANISER	OUTCOME	Evident when students, for example:	EARTH QUEST EXHIBITS
Earth and Beyond	Earth, sky and people	3.1 Illustrates ways that use of the Earth's resources changes the physical environment.	<ul style="list-style-type: none"> Investigate the scientific basis of different methods of mining and extracting materials. 	Core Samples How Deep? Ozone
	The changing Earth	3.2 Relates changes in the physical environment to physical processes.		Earthquake Making Mountains Tectonic plates Volcanoes
	Our place in space	3.3 Illustrates patterns of change observable on Earth caused by the relationship between the sun, Earth and Moon.	<ul style="list-style-type: none"> Use models to demonstrate the link between the tilt of the Earth's axis and the seasons. 	Seasons in a Spin Turn the Tides
Life and Living	Living together	3.7 Maps relationships between living things in a habitat.	<ul style="list-style-type: none"> Draw a food chain showing hierarchies of consumers. 	Food Pyramids Plants in Place Landscape Journey Urban Jungle
	Biodiversity, change and continuity	3.9 Explains why some living things have become extinct and identifies current endangered species.	<ul style="list-style-type: none"> Investigate through books and pictures some extinct types of animals such as dinosaurs. 	Fossil Finder

Level 1 SOSE Outcomes

STRAND	ORGANISER	OUTCOME	Evident when students, for example:	EARTH QUEST EXHIBITS
Place and Space	Features of Places	1.4 Identifies natural and built features of places using direct observation.	<ul style="list-style-type: none"> Identify and discuss the natural and built features of places seen in stories, picture maps, photographs or audio-visual material. 	Hidden Depths Landscape Journey Urban Jungle
Natural and Social Systems	Natural systems	1.13 Identifies examples of elements of natural systems (including people).	<ul style="list-style-type: none"> Identify elements of natural systems (people, animals, plants rocks, soil, water). 	Urban Jungle

Level 2 SOSE Outcomes

STRAND	ORGANISER	OUTCOME	Evident when students, for example:	EARTH QUEST EXHIBITS
Natural and Social Systems	Natural systems	2.13 Describes ways in which elements of natural systems for communities.	<ul style="list-style-type: none"> Talk about observations of interactions between plants and animals in a small ecosystem (fish pond or aquarium). Identify elements of a community, through direct observation, and describe connections among them. 	Food Pyramids Landscape Journey Urban Jungle

Level 3 SOSE Outcomes

STRAND	ORGANISER	OUTCOME	Evident when students, for example:	EARTH QUEST EXHIBITS
Time, Continuity and Change	Time and change	3.2 Constructs a sequence from a set of events.	<ul style="list-style-type: none"> Make models to show changes in an environment over a long period. 	
Place and Space	Features of places	3.4 Describes places according to their location and natural and built features.	<ul style="list-style-type: none"> Identify major land masses and oceans on the earth's surface. Use photographs of places to identify natural and built features. 	Dig a Hole Hidden Depths Landscape Journey Tectonic Plates Urban Jungle
Natural and Social Systems	Natural Systems	3.13 Describes an example of a cycled within natural systems and the place of people in it.	<ul style="list-style-type: none"> Draw a diagram to show examples of plants and animals linked by a food chain. Describe simple ways in which energy flows through a natural system. 	Food Pyramids