

# Appendix 2 | Scope and sequence chart: Overview of units

Stage	SL level	Year of schooling	EB	EC	LL	NPM
Early 1	< 1	1	<p><b>Weather in my World</b> Weather effects me and my surroundings.</p>	<p><b>On the Move</b> Movement of children, animals and toys.</p>	<p>Caring for living things, their needs and living spaces.</p>	Types of materials in my surroundings and their properties.
1	1-2	2 and 3	<p>What's Up Features of the day and night sky</p> <p>Living spaces, types of resources and caring for the environment</p>	<p>Forms of energy and how we use them, heat, insulation, food, growth, movement</p> <p><b>Push-pull Power</b> Floating and sinking, flight</p>	<p>Stage theme: Organising my world</p> <p>Plants, animals, living and non-living, life processes</p>	<p><b>Material Matters</b> Natural and made materials; solids, liquids and gases; wood, metal, plastic</p> <p>Rubbish and recycling. Re-use of materials.</p>
2	2-3	4 and 5	<p><b>Spinning in Space</b> Changes brought about by the rotation of the Earth; Moon, Sun, stars and shadows</p> <p>Structure of the Earth and changes at its surface. Soils.</p>	<p>Sights and Sounds Light, shadows, reflection Vibrations and sounds</p> <p>Energy sources, energy audit, patterns of use, transport, reducing waste</p>	<p>Stage theme: Changes, patterns and relationships in my world</p> <p><b>Plants in Action</b> Plant life cycles, flowers and germination</p> <p>Structure and function of body systems, breathing, circulation, energy and exercise</p>	<p>Cooking and chemistry of food. Mixing, dissolving, melting. Heating and cooling changes substances. Reversible and irreversible changes</p> <p>Investigating properties and uses of materials e.g. paper and plastic. Testing strength, transparency, absorbency, biodegradability</p>
3	3-4	6 and 7	<p>Recording and analysing weather data. Seasonal changes</p> <p>Our solar system, relationships between Earth, Sun, Moon and the lunar cycle</p>	<p>Electrical circuits and current</p> <p>Forces and motion, sliding, rolling, gears, levers</p>	<p>Stage theme: Systems and how they work</p> <p><b>Marvellous Micro-organisms</b> Yeast and bread making, moulds and penicillin</p> <p>Human impact on natural systems, pollution, interdependence, food chains, water</p>	<p><b>Build it Better</b> Materials, structure, properties, design</p> <p>Physical and chemical changes to matter. Formation of new substances and conservation of matter e.g. combustion.</p>