

Links to the New Zealand Curriculum Documents

LEVEL	Science Making sense of...			The Material World	Social Studies The Processes		Mathematics
	The Nature of Science & its Relationship to Technology	Planet Earth & Beyond	The Physical World		Inquiry	Social Decision Making	
1	<ol style="list-style-type: none"> Share and Compare their emerging science ideas Explore and suggest what simple items of technology do. Investigate the uses of familiar technology 		<ol style="list-style-type: none"> Describe uses of items of everyday technology, and, in simple terms, suggest how they work. 		<p>Use questions</p> <p>Collect and record information</p> <p>Make a generalisation based on findings</p>	<p>Identify issues and problems</p> <p>Develop solutions to relevant problems</p> <p>Make a choice about possible action</p>	<p>Within a range of meaningful contexts students will be able to:</p> <p>Pose questions for mathematical exploration.</p> <p>Effectively plan mathematical exploration</p> <p>Devise and use problem-solving strategies to explore situations mathematically</p> <p>Find and use with justification a mathematical model as a problem solving strategy</p> <p>Use equipment appropriately when exploring mathematical ideas.</p>
2	<ol style="list-style-type: none"> Investigate and describe how simple items of technology work. Investigate the way that simple items of technology have developed. 		<ol style="list-style-type: none"> Describe in simple terms, how items of everyday technology work and affect our lives. 		<p>Collect and record information from a range of sources</p> <p>Process information using appropriate conventions</p> <p>Make a valid generalisation supported by the evidence</p> <p>Communicate findings using conventions appropriate to the mode of communication</p>	<p>Identify possible causes of issues and problems</p> <p>Use criteria to evaluate a range of solutions to relevant problems</p> <p>Make a choice about possible action and justify this choice</p>	
3	<ol style="list-style-type: none"> Investigate examples of simple technological devices and link these with some scientific ideas. Investigate the impact of some well known technological innovation or scientific discovery on people and / or the environment. 	<ol style="list-style-type: none"> Justify their personal involvement in a school or class initiated local environmental project. 	<ol style="list-style-type: none"> Investigate and describe how selected items of everyday technology work and affect our lives. 	<ol style="list-style-type: none"> Investigate the positive and negative effects of substances on people and the environment. 	<p>Collect and record information from a range of primary and secondary sources</p> <p>Process information using appropriate conventions and establishing the relevance of the information</p> <p>Make a range of valid generalisations supported by evidence</p> <p>Communicate findings clearly and concisely, using conventions appropriate to the mode of communication</p>	<p>Identify a range of problems associated with an issue and identify underlying problems</p> <p>Generate a range of possible solutions</p> <p>Plan possible actions in relation to identified problems or issues and identify the likely consequences of these actions</p> <p>Make a choice about preferred action and justify the choice.</p>	
4	<ol style="list-style-type: none"> Investigate examples of simple technology to clarify some scientific ideas. 	<ol style="list-style-type: none"> Investigate a local environmental issue and explain the reasons for the community's involvement. 	<ol style="list-style-type: none"> Investigate and offer explanations of how selected items of technology function and enhance everyday activities of people. 		<p>Collect and record information from a range of primary and secondary sources</p> <p>Process information using appropriate conventions and establishing the relevance of the information</p> <p>Make a range of valid generalisations supported by evidence</p> <p>Communicate findings clearly and concisely, using conventions appropriate to the mode of communication</p>	<p>Identify a range of problems associated with an issue and identify underlying problems</p> <p>Generate a range of possible solutions</p> <p>Plan possible actions in relation to identified problems or issues and identify the likely consequences of these actions</p> <p>Make a choice about preferred action and justify the choice.</p>	
5		<ol style="list-style-type: none"> Research a national environmental issue and explain the need for responsible and cooperative guardianship of New Zealand's environment. 	<ol style="list-style-type: none"> Investigate how physical devices or systems can be used to perform specified functions. 		<p>Collect and record information from a range of primary and secondary sources</p> <p>Process information using appropriate conventions and establishing the relevance of the information</p> <p>Make a range of valid generalisations supported by evidence</p> <p>Communicate findings clearly and concisely, using conventions appropriate to the mode of communication</p>	<p>Identify a range of problems associated with an issue and identify underlying problems</p> <p>Generate a range of possible solutions</p> <p>Plan possible actions in relation to identified problems or issues and identify the likely consequences of these actions</p> <p>Make a choice about preferred action and justify the choice.</p>	
6					<p>Collect and record information from a range of primary and secondary sources</p> <p>Process information using appropriate conventions and establishing the relevance of the information</p> <p>Make a range of valid generalisations supported by evidence</p> <p>Communicate findings clearly and concisely, using conventions appropriate to the mode of communication</p>	<p>Identify a range of problems associated with an issue and identify underlying problems</p> <p>Generate a range of possible solutions</p> <p>Plan possible actions in relation to identified problems or issues and identify the likely consequences of these actions</p> <p>Make a choice about preferred action and justify the choice.</p>	