



**Octopus School**

The New Zealand Curriculum



## Water Unit Links to New Zealand Curriculum

Science	Learning Outcomes
<b>Nature of science</b>	Investigate and develop simple explanations. Develop investigations extending science knowledge. Understand the relationship between investigations and scientific theories.
<b>Communicating in science</b>	Use scientific symbols, conventions, and vocabulary. Use accepted science knowledge, vocabulary, symbols, and conventions when evaluating accounts of the natural world.
<b>Participating and contributing in science</b>	Use science knowledge considering issues of concern. Explore aspects of an issue and make decisions about actions. Use relevant information to develop a coherent understanding of socio-scientific issues identifying possible responses.
<b>Living World: Life processes</b>	Identify key structural features and functions involved in the life-processes of plants and animals. Investigate environmental factors that affect these processes. Understand the relationship between organisms and their environment. Explore the evolutionary processes resulted in the diversity of life and appreciate the impact of humans within these processes.
<b>Living World: Ecology</b>	Investigate the interdependence of living things in an ecosystem. Investigate the impact of natural events and human actions on a New Zealand ecosystem. Explore ecological distribution patterns and explain the causes. Explain how the interaction between ecological factors and natural selection leads to genetic changes within populations.
<b>Plant Earth and Beyond: Earth systems</b>	Explain how living things are suited to their particular habitat and respond to environmental changes. Investigate the water cycle. Investigate components of the solar system.
<b>Material world</b>	Distinguish between an element and a compound.

### Social Studies

### Learning outcomes

Understand people make decisions about the use of resources.

Understand people participate in response to community challenges.

Understand the management of resources impacts environmental sustainability.

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Understand interaction with the natural environment has consequences.

Understand ideas and actions in the past have a significant impact on the future.

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<b>English</b>	<b>Learning outcomes</b>
<b>Listening, Reading, and Viewing</b>	<ul style="list-style-type: none"><li>Integrate information and prior knowledge.</li><li>Develop critical thinking skills.</li><li>Identify and think about main ideas.</li><li>Develop increased vocabulary.</li><li>Make meaning by understanding sophisticated ideas.</li></ul>
<b>Speaking, Writing, and Presenting</b>	<ul style="list-style-type: none"><li>Identify, form, and express ideas.</li><li>Creating a range of texts with an awareness of purpose.</li><li>Develop a personal voice.</li><li>Use oral, written, and visual language features.</li><li>Use a range of vocabulary.</li><li>Use increasing vocabulary to communicate precise meaning.</li><li>Create a range of increasingly coherent, varied, and complex. Texts by integrating sources of information.</li><li>Reflect about the production of own texts: monitor and self-evaluate progress, articulate their learning with confidence.</li><li>Develop, communicate, and sustain increasingly sophisticated ideas, information, and understandings.</li></ul>

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<b>The Arts</b>	<b>Learning Outcomes</b>
<b>Drama</b>	<ul style="list-style-type: none"><li>Use conventions to structure drama.</li><li>Present and respond to drama.</li><li>Create form and meaning in drama.</li></ul>
<b>Visual Arts</b>	<ul style="list-style-type: none"><li>Explore and use art-making conventions.</li><li>Develop visual ideas, in response to motivations, observations, and imagination.</li><li>Explore and describe ways meaning can be communicated.</li><li>Consider contexts underlying their own and other's work.</li><li>Use critical analysis to interpret and respond to art works.</li><li>Apply understanding from research into a range of established practice to extend skills for art-making purposes.</li><li>Extend skills, in a range of materials, techniques, and technologies.</li></ul>

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<b>Health and Physical education</b>	<b>Learning Outcomes</b>
<b>Healthy communities and environments</b>	<ul style="list-style-type: none"><li>Enhance a social or physical aspect of their school environment.</li><li>Specify individual responsibilities and take collective action for the care of their school and wider community.</li></ul>

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Investigate and evaluate aspects of the school- environment that affect people’s well-being and take action to enhance these aspects.

Investigate the roles and the effectiveness of local, national, and international organizations that promote well-being and environmental care.

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**Technology****Learning Outcomes**

Understand how society and the environment are influenced by technology.

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**Maths and Statistics****Learning Outcomes****Geometry and measurement**

Use linear scales and whole numbers of metric units for-length, area, volume and capacity, weight (mass), angle, temperature, and time.

Represent objects with drawings and models.

Measure at a level of precision appropriate to the task.

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