Introduction

Native Ecosystems overview

	Curriculum links	Learning intention students will...	Success criteria students can...	Assessment tool
1: The water cycle	PE&B: IS	Understand the water cycle (context - a catchment)	Describe movement of water in the water cycle	BLM 2
2: What is a catchment?	PE&B: IS	Learn to identify the physical features of a landform (context - a catchment)	Identify local catchment boundaries and features	BLM 3 or BLM 4
3: Animals in a catchment	LW: E	Learn about animal habitats (context - a catchment)	Identify animal habitats in a forest covered catchment	BLM 6
4: Report Writing	S,W and P: P&S, I and S LW: E	Learn to communicate their knowledge and understanding in a report structure (context - aquatic animals)	Record relevant information about their chosen stream animal Complete a report about their animal, structuring their ideas into paragraphs	BLM 7 and BLM 8
5: Aquatic insects and their life cycles	LW: Ev LW: LP	Learn to identify the main features of an insect (context - aquatic insects) Learn about different cycles (context - aquatic insects)	Identify the main features of an insect Identify different stages within insect life cycles	BLM 10
6: The role of plants and algae in a catchment	LW: E	Learn how plants are essential for animal life (context - a catchment)	Identify the different ways that plants enable animals to live	BLM 11
7: Breathing in the stream	LW: LP	Learn how some animals breathe (context - aquatic animals)	Identify the different ways aquatic animals breathe	BLM 12
8: What do animals eat?	LW: E LW: LP	Learn that food webs show interactions between plants and animals (context - forest stream ecosystem) Learn that animals have special features for feeding (context - aquatic animals)	Complete a food web for a forest stream ecosystem Match features for feeding with the correct aquatic animal	BLM 14 and BLM 15
9: The freshwater highway	LW: E LW: LP L, R and V: I	Learn that living things are suited to different habitats at different stages of their life cycle (context - aquatic animals)	Explain why some New Zealand aquatic animals move around the catchment at different stages of their lifecycle	BLM 20

Curriculum links

Science: Levels 3 and 4

Planet Earth and Beyond: Interacting systems (PE&B: IS)

Investigate the water cycle and its effect on climate, landforms and life.

Living World: Ecology (LW: E)

Explain how living things are suited to their particular habitat and how they respond to environmental changes, both natural and human induced.

Living World: Life Processes (LW: LP)

Recognise that there are life processes (breathing, feeding and moving) common to all living things and these occur in different ways.

Living World: Evolution (LW: Ev)

Begin to group plants, animals and other living things into science - based classifications.

English: Levels 3 and 4

Speaking, Writing, and Presenting

Processes and Strategies (S,W and P: P&S)

Integrate sources of information, processes and strategies confidently to identify, form and express ideas.

Ideas (S,W and P: I)

Select, form and communicate ideas on a range of topics.

Structure (S,W and P: S)

Organise texts using a range of appropriate structures.

Listening, Reading, and Viewing

Ideas (L, R and V: I)

Show an increasing understanding of ideas within, across and beyond texts.