



Human impacts overview

	Curriculum links	Learning intention students will...	Success criteria students can...	Assessment tool
10: Guardians of the mauri	LW: E NoS: P&C SS-C&E	Understand how humans have changed the environment (context - stream habitat and water quality)	Identify how human actions have changed stream habitats and the water quality of our streams and rivers	Discussion
11: Deforestation	LW: E NoS: P&C SS-C&E	Understand how humans have changed the environment (context - deforestation of stream environments) Use their scientific knowledge to consider solutions for environmental problems (context - deforestation of stream environments)	Describe the effects of deforestation on a stream environment Identify possible solutions to deforestation that take into consideration stream ecosystems and human needs	BLM 23
12: Stormwater drains	NoS: P&C SS-C&E	Understand the difference between stormwater, wastewater and drinking water systems (context - a catchment)	Identify the difference between stormwater pipes, wastewater pipes and drinking water pipes	BLM 24
13: Pollution	LW: E NoS: P&C SS-C&E	Identify causes and effects of pollution (context - within a catchment) Use their growing scientific knowledge to consider solutions for pollution incidents (context - stream habitats)	Discuss the causes and effects of pollutants in streams Identify possible solutions to pollution that will protect stream habitats	BLM 25
14: Stream habitat destruction	LW: E NoS: P&C SS-C&E	Understand how humans have changed the environment (context - stream habitat destruction) Use their growing scientific knowledge to consider solutions for human impacts on the environment (context - stream habitat destruction)	Describe the effects of water irrigation, stream straightening, extending landfills and building culverts on stream environments Identify solutions to habitat destruction that takes into consideration stream habitats and the needs of humans	BLM 26
15a: Clearwater catchment scenario	NoS: P&C SS-V&U SS-C&E D: Dpk	Investigate how people view and use places differently (context - residents of a catchment) Explore the causes and effects of human actions (context - catchment scenario)	Explain how the residents of Clearwater catchment use the catchment for different purposes Discuss the effects of human actions on the environmental health and mauri of Clearwater catchment	BLM 29
15b: Clearwater catchment scenario	NoS: P&C SS-V&U SS-C&E D: Dpk	Use 'hot seating' as a drama tool to further investigate people's views (context - residents of Clearwater catchment scenario) Understand how people view and use places differently (context - residents of Clearwater catchment scenario)	Use questioning skills to investigate other residents views of the catchment and how they use and look after it	Hot seating
15c: Clearwater catchment scenario	NoS: P&C SS-V&U SS-C&E	Use their knowledge about an issue to develop some possible positive actions (context - Clearwater catchment scenario)	Develop possible alternative actions that will improve the mauri of Clearwater catchment	BLM 30 - 37

Curriculum links

Science: Levels 3 and 4

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.

Nature of Science

Participating and contributing (NoS: P&C)

Use their growing science knowledge when considering issues of concern to them

Explore various aspects of an issue and make decisions about possible actions.

Social Studies - L4

Understand that events have causes and effects. (SS-C&E)

Understand how people view and use places differently. (SS-V&U)

The Arts - L3

Drama: Developing practical knowledge (D: Dpk)

Use techniques and relevant technologies to explore drama elements and conventions.