

<b>GENETIC MANAGEMENT OF ZOO POPULATIONS</b>	
Context	<b>Hamilton Zoo</b>
Learning	Students will be able to use relevant information to develop a coherent understanding of socio-scientific issues that concern them, to identify possible responses at both personal and societal levels.
Values	Ecological Sustainability
Key Competencies	Thinking
Key Learning Areas	Science
AO's & Levels	Life Processes, Ecology and Evolution – Levels 7-8
Zoo Classroom	Students will identify a range of options available in reproductive technologies. Students evaluate the pros and cons of reproductive technologies as an option for addressing declining numbers of endangered animals.

<b>BEHAVING LIKE ANIMALS</b>	
Context	<b>Hamilton Zoo</b>
Learning	Students will be able to use accepted scientific knowledge, vocabulary, symbols, and conventions when evaluating accounts of the natural world and consider the wider implications of the methods of communication and/or representation employed.
Values	Innovation, Inquiry and Curiosity
Key Competencies	Using Language, Symbols and Texts
Key Learning Areas	Science
AO's & Levels	Living World - Life Processes, Ecology, and Evolution – Levels 6-8
Zoo Classroom	Students will identify different ways animals communicate, co-operate, interact socially, use parental care and compete. Students investigate an aspect of animal behaviour through collecting and analysing data, then presenting conclusions based on findings to others.

<b>MEET YOU AT THE ZOO</b>	
Context	<b>Hamilton Zoo</b>
Learning	Students will gain knowledge, skills, and experience to understand how to act as critical, active, informed, responsible citizens.
Values	Integrity
Key Competencies	Managing self
Key Learning Areas	Social Sciences
AO's & Levels	Economics – Levels 6-8
Zoo Classroom	Students will discuss past events held at Hamilton Zoo and possibilities, limitations and opportunities for marketing and/or event management.



<b>CHECK THIS OUT</b>	
Context	<b>Hamilton Zoo</b>
Learning	Students will gain knowledge, skills, and experience to understand how, as a result of scarcity, consumers, producers, and government make choices that affect New Zealand society.
Values	Diversity and Equity
Key Competencies	Participating and Contributing
Key Learning Areas	Social Sciences
AO's & Levels	Social Studies/History/Geography/Economics – Levels 5-8
Zoo Classroom	Exploring the role and artifacts from of Dept of Conservation: CITES (the Convention on International Trade in Endangered Species of Wild Fauna and Flora - an international agreement between Governments). The aim of CITES is to ensure that international trade in specimens of wild animals and plants does not threaten their survival.

<b>THE NEW ZEALAND ECO-SYSTEM</b>	
Context	<b>Hamilton Zoo</b>
Learning	Students will be able to apply their understanding of science to evaluate both popular and scientific texts (including visual and numerical literacy).
Values	Community and Participation
Key Competencies	Relating to Others
Key Learning Areas	Science
AO's & Levels	Ecology – Levels 3-8
Zoo Classroom	Students evaluate the impact of specific cultural and natural events on an ecosystem. They discuss possible solutions to preserve New Zealand's flora and fauna. Students examine a wetland as one example of an impacted ecosystem.

<b>WILD AND WET</b>	
Context	<b>Hamilton Zoo</b>
Learning	Students will be able to extend their experiences and personal explanations of the natural world through exploration, play, asking questions, and discussing simple models as they investigate the interdependence of living things.
Values	Ecological Sustainability
Key Competencies	Participating and Contributing
Key Learning Areas	Science
AO's & Levels	Ecology – Levels 2-8
Zoo Classroom	Less than 10% of New Zealand's original wetlands remain yet they play a vital role in nature. Wetlands are of cultural and spiritual significance to Maori. Students will look at Hamilton Zoo's wetland area - the role it plays in the ecosystem and what can be done to protect similar areas. Examine what events have changed these natural features.




<b>I'M LOCKED IN! – Enclosure Design</b>	
Context	<b>Hamilton Zoo</b>
Learning	Students will be able to investigate others' practice and develop their brief, plan and outcomes to undertake their own approach.
Values	Innovation, Inquiry and Curiosity
Key Competencies	Thinking
Key Learning Areas	Technology
AO's & Levels	Technological Practice - Brief Development – Levels 1-8
Zoo Classroom	What needs to be taken into account when designing an enclosure for a specific animal? Students will examine and compare different Zoo enclosures as part of brief development.

<b>ENVIROZOO</b>	
Context	<b>Hamilton Zoo</b>
Learning	Students will extend their experiences and personal explanations of the natural world through exploration, play, asking questions and discussing simple models.
Values	Ecological Sustainability
Key Competencies	Managing Self
Key Learning Areas	Science
AO's & Levels	Planet Earth and Beyond – Levels 1-8
Zoo Classroom	Students could discuss Environmental Issues for example: climate change, habitat loss, introduced predators, pollution. They will explore solutions and conservation approaches, before examining local initiatives at Hamilton Zoo.

<b>FROM PLANT TO POULTICE</b>	
Context	<b>Hamilton Zoo</b>
Learning	Students will gain knowledge, skills and experience to understand how they can participate as critical, active, informed, and responsible citizens.
Values	Diversity
Key Competencies	Relating to Others
Key Learning Areas	Social Sciences
AO's & Levels	Social Studies/History – Levels 1-8
Zoo Classroom	Students will learn about traditional Maori medicines and other medicines that can be made from New Zealand native plants in particular. Links will be made to the animals and how important they are to a balanced ecosystem.

<b>OH, BEHAVE! - Behavioural Enrichment</b>	
Context	<b>Hamilton Zoo</b>
Learning	Students will be able to investigate others' practice and develop their brief, plan and outcomes to undertake their own approach.
Values	Innovation, Inquiry and Curiosity
Key Competencies	Managing Self
Key Learning Areas	Technology
AO's & Levels	Technological Practice – Brief Development/Outcome development and evaluation – Levels 1-8
Zoo Classroom	What do captive animals need for mental and physical stimulation to increase natural and healthy behaviour? Students examine existing enrichment devices used within the zoo and observe various forms and methods used.



	<b>PAINT BY NUMBERS</b>
Context	<b>Hamilton Zoo</b>
Learning	Students will investigate and develop visual ideas in response to a variety of motivations, observation and imagination, supported by the study of artists' work.
Values	Innovation, inquiry and curiosity – thinking creatively
Key Competencies	Thinking
Key Learning Areas	The Arts – Visual Arts
AO's & Levels	Developing Ideas/Understanding the Arts in Context – Levels 1-8
Zoo Classroom	Compare different artists' work when animals are the subject (across a variety of media). Explore Hamilton Zoo and compose works of art that express their own ideas about the animals that they encounter.

