



<b>PAST AND PRESENCE</b>	
Context	<b>Hamilton Zoo</b>
Learning	Students will be able to build on prior experiences, working together to share and examine their own and others' knowledge.
Values	Ecological Sustainability
Key Competencies	Managing Self
Key Learning Areas	Science
AO's & Levels	Evolution – Levels 3-5
Zoo Classroom	Students examine New Zealand's geographical isolation and unique flora and fauna. They can study and observe Tuatara, Hochstetter's frog and animals in the wetlands and birds in the Free Flight aviary.

<b>WHAT WAS THAT?</b>	
Context	<b>Hamilton Zoo</b>
Learning	Students will use a range of science vocabulary, symbols and conventions.
Values	Inquiry and curiosity
Key Competencies	Using language, symbols and texts
Key Learning Areas	Science
AO's & Levels	Nature of Science – communicating in science – Levels 3-5
Zoo Classroom	Students will explore how observational drawing is used in scientific investigations as a way of recording information. They will look at shape and form up close with animal artifacts.

<b>LET'S INVESTIGATE BIODIVERSITY</b>	
Context	<b>Hamilton Zoo</b>
Learning	Students will be able to collect data, solve problems and communicate findings.
Values	Excellence
Key Competencies	Using Language, Symbols, and Texts
Key Learning Areas	Mathematics and Statistics
AO's & Levels	Statistics – Level 3-6
Zoo Classroom	Students define a question, and then carry out an investigation. They follow the scientific method: collecting and processing data then coming to evidence-based conclusions, before communicating results and make recommendations.

<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





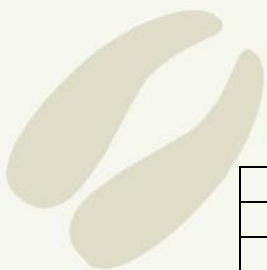
Zoo Classroom	Students evaluate the impact of specific cultural and natural events on an ecosystem. They discuss possible solutions to preserve New Zealand's flora and fauna. Students examine a wetland as one example of an impacted ecosystem.
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	<b>DIS-ORIENTEERING</b>
Context	<b>Hamilton Zoo</b>
Learning	Students will use a co-ordinate system or the language of direction and distance to specify locations and describe paths.
Values	Community and Participation
Key Competencies	Participating and Contributing
Key Learning Areas	Mathematics and Statistics
AO's & Levels	Geometry and Measurement – Level 2-5
Zoo Classroom	Students engage in mathematical problem solving that draws on and develops their mapping skills as they move through an orienteering course around Hamilton Zoo.

	<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>ZOO DOO DOO!</b>
Context	<b>Hamilton Zoo</b>
Learning	Students will select and use sources of information, processes, and strategies to identify, form, and express ideas.
Values	Innovation and creative thinking
Key Competencies	Using Language, Symbols and Texts
Key Learning Areas	English
AO's & Levels	Writing – Levels 1-3
Zoo Classroom	How do animals look, feel, move, sound and smell? Using their senses, students will write evocative poetry inspired by their experiences at Hamilton Zoo.





<b>DO YOU MEASURE UP?</b>	
Context	<b>Hamilton Zoo</b>
Learning	Students will be able to quantify the attributes of objects, using appropriate units and instruments.
Values	Thinking critically
Key Competencies	Thinking
Key Learning Areas	Mathematics and Statistics
AO's & Levels	Geometry and Measurement – Measurement – Level 1-3
Zoo Classroom	Amazing facts and how to take tricky measurements! Using the animals on site, students compare weights, heights, speeds, etc, and the appropriate units to use.

<b>HERE OR THERE?</b>	
Context	<b>Hamilton Zoo</b>
Learning	Students will be able to build their language and develop their understanding of the many ways the natural world can be represented. Scientific investigative skills – classification (fur, feathers & scales).
Values	Inquiry and thinking critically
Key Competencies	Thinking
Key Learning Areas	Science
AO's & Levels	Living World – Evolution – Levels 1-4
Zoo Classroom	A classification exercise that illustrates how scientists can group things according to criteria. In groups, students could go out into the field (Zoo) and collect, compare and classify images, descriptions and/or samples of fur, feathers and scales.

<b>TAKE CARE</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.
Values	Ecological Sustainability
Key Competencies	Thinking
Key Learning Areas	Science
AO's & Levels	Life Processes – Levels 1-4
Zoo Classroom	A day in the life of a Zoo Keeper at Hamilton Zoo. Students observe and question basic husbandry needed for animal well-being and identify examples of other such practices around the Zoo and in their own lives.

<b>RE-CREATE ME!</b>	
Context	<b>Hamilton Zoo</b>
Learning	Students will identify factors that will affect personal, physical, social and emotional growth and develop skills to manage changes.
Values	Diversity



Key Competencies	Participating and Contributing
Key Learning Areas	Health and Physical Education
AO's & Levels	Personal Health & Physical Development – Regular Physical Activity – Levels 1-5
Zoo Classroom	Students will discuss the Opportunities for and importance of recreation & enrichment in their lives as well as in the lives of the animals living at the Zoo. They will explore ideas around living a healthy, balanced life (and approaches to recreation).

	<b>ADAPTATIONS AND HABITATS</b>
Context	<b>Hamilton Zoo</b>
Learning	Students will be able to explore various aspects of an issue and make decisions about possible actions.
Values	Ecological Sustainability
Key Competencies	Thinking
Key Learning Areas	Science
AO's & Levels	Ecology – Levels 1-5
Zoo Classroom	Through observation and discussion, students will identify the structure/processes/ body parts of animals that are adapted to different habitats and discuss, justify and evaluate the effectiveness of these in relation to aiding survival.

	<b>ESOL EXPERIENCE</b>
Context	<b>Hamilton Zoo</b>
Learning	Students will select and use processing strategies and an increasing range of comprehension strategies with some understanding and confidence.
Values	Community and Participation
Key Competencies	Using languages, symbols, and texts
Key Learning Areas	English
AO's & Levels	Listening, Reading and Viewing – Levels 1-5
Zoo Classroom	Students will have an authentic and unique experience planning a visit to the Zoo, managing their money, interacting with Zoo staff and members of the public as they negotiate their way around Hamilton Zoo. The visit may include buying items from the on-site café.

	<b>WALK LIKE A MAN</b>
Context	<b>Hamilton Zoo</b>
Learning	Students will learn that through movement, sound and image that the Arts transform people's creative ideas into expressive works that communicate layered meanings.
Values	Innovation and thinking creatively
Key Competencies	Relating to others
Key Learning Areas	The Arts – Dance/Drama/Sound Arts/Visual Arts
AO's & Levels	Developing Ideas – Levels 1-6
Zoo Classroom	After looking at how animals move and interact and listening to how they sound, students will develop and express ideas in response to variety of stimuli. They can explore sound scapes, group dynamics, movement vocabularies and much more!





<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.

