

Planner: Life's a Beach - Our sand dunes clip 1 - Meet the dunes

New Zealand Curriculum Levels: 1-4 (Primary Years 1-8)		Overall Objectives:
SOCIAL SCIENCES: Level 1: Understand how places in New Zealand are significant for individuals and groups Level 2: Understand how places influence people and people influence places Level 3: Understand how people view and use places differently Level 4: Understand how exploration and innovation create opportunities and challenges for people, places, and environments.	SCIENCE: Levels 1 & 2: PHYSICAL WORLD: Explore everyday examples of physical phenomena, such as movement, forces, electricity and magnetism, light, sound, waves, and heat. PHYSICAL WORLD: Seek and describe simple patterns in physical phenomena. Levels 3 & 4: PHYSICAL WORLD: Explore, describe, and represent patterns and trends for everyday examples of physical phenomena, such as movement, forces, electricity and magnetism, light, sound, waves, and heat. For example, identify and describe the effect of forces (contact and non-contact) on the motion of objects; identify and describe everyday examples of sources of energy, forms of energy, and energy transformations.	TO INVESTIGATE: <ul style="list-style-type: none"> The nature and uses of beaches The community of plants and animals that exist in the sand dunes The impact of humans on the beach Dune formation and function using dune profiles Dune protection and enhancement methods Coastal management and action that can be taken to protect the dunes.
	This resource can also be used to support the teaching of Achievement Objectives in: <ul style="list-style-type: none"> Te Reo Māori The Arts English 	THE RESOURCE ALSO AIMS TO DEVELOP: <ul style="list-style-type: none"> Awareness and sensitivity to the environment and the diversity of the beach and sand dune environment. Knowledge and understanding of kaitiakitanga responsibilities of our environment and what is impacting on the dunes. Attitudes and values that reflect feelings that recognise beaches and sand dunes as a taonga and of concern for our environment and communities. Skills involved in identifying, investigating and problem solving issues related to the beach and dunes. A sense of responsibility through participation and action as individuals and as members of a group in addressing some of the issues associated with beach and dune protection and enhancement.

Possible wonderings:	Possible actions:
<ul style="list-style-type: none"> How can I make people more aware of the importance of our dunes? Why do we need dunes, how do they help us? When I'm at the beach, do my whānau and I respect the dunes? What could I do if I see people disrespecting our dunes? What if we planted more plants on the dunes? 	<ul style="list-style-type: none"> THINK about how you can spread the word about the importance of our dunes SHARE your new knowledge with your whānau at home MAKE a poster/i movie/game/presentation informing an audience about how we can reduce human impact on the dunes DO an act of service to help protect our dunes

Learning experiences overview	
BEFORE WATCHING CLIP: <ul style="list-style-type: none"> Hook students into 'Life's a Beach' by creating a tactile display in classroom. Collect items such as driftwood, pīngao, shells, sand, to display. Collect a selection of 'Kiwiana' books, songs, poems, photos and diagrams. Ensure there is paper for students to record their 'wonderings', prior knowledge and connections as they interact with the display. HIKOI – Organise a walk to your local beach. Beach sketch. Use the template provided in activity 1e of this resource. CIRCLE MAP – Students to fill in first ring with any prior knowledge they have about our dunes. Possible questions for teacher to prompt: <ol style="list-style-type: none"> How are dunes formed? What are dunes – what is their job? Who looks after the dunes? SAND TRAYS and BEACH BOTTLES 	AFTER WATCHING CLIP: <ul style="list-style-type: none"> BEACH SKETCH – Revisit sketch. Students to add in any new words or knowledge after viewing film clip #1 Complete the activity from this resource 3a, compare and contrast a beach with human development and a beach without human development (use Venn Diagram template in activity 3a) Explain how the dunes are formed using 'Explain Everything' App Create a KAHOOTZ quiz all about Clip #1 – students to pair up and test each other's knowledge Revisit the CIRCLE MAP and add in all post knowledge. Complete other activities from this resource: 1c Vocab matching activity; 3b Parts of the beach and human activity