



DAY 8 - Plastic Pollution - FULL PLAN

*This plan can be used alone or with the student website. If using it with the student website make sure you do the **core activities** as a class. This will guide the learning - the other activities will enrich the learning. The times are approximate only and there as a guide. You may have your own resources and ideas that you would like to add to enrich the learning, and there are also extra resource links provided.*

Approx time	Activity	Resources	Curriculum area
	WHAKATAUKI Ko ahau te taiao, ko te taiao, ko ahau. <i>I am the environment and the environment is me.</i>		
2 mins	Watch - Young Ocean Explorers Video - Why is plastic so bad for sea creatures?	Young Ocean Explorers Video - Why is plastic so bad for sea creatures?	Science
5 mins	Reflect - what is the message this video is trying to get across? What did this video make you think or feel?		
3 mins	Video - turtles and plastic	YOE video - What would a turtle serve you at dinner?	Science
10 mins	Go outside and pick up your 1+ a day. Don't forget to load the data to the Young Ocean Explorers website.	Go to the YOUNG OCEAN EXPLORERS website and click on the 21 Day Challenge button. Enter your rubbish data.	Citizen Science
4 mins	Hope Story - how two year 6 students came up with the 1 +A Day idea that has inspired thousands of people around NZ	YOE video - Hope Stories - 1 +A Day	
10mins	TEACHERS: <i>Before you start this activity discuss that this is a fact finding mission, not a judgement. Remember some children have little control over what food is available to them. We are simply trying to raise awareness and get students thinking.</i> Lunchbox plastic poll. Get your lunchbox out. Count how many	Student's lunch boxes	Maths - Statistics Science - gathering data

	items have single use plastic (plastic packaging, plastic wrap, plastic stickers) - Collect data - how can you display your data? Suggest a tally chart or bar graph showing different types of plastic in lunch boxes eg chip packet, bar wrapper, sticker, straw, cling film etc) - Think about what issues this could cause - Discuss possible solutions		
5 mins	LIST possible snack options for lunch boxes that do not have single use plastic.		
10mins	Find out about people who are making a difference! HOPE STORY - Plastic collection - Jackson HOPE STORY - Replacing coffee cups - Waiheke Island HOPE STORY - Sea Cleaners is an organisation that cleans rubbish from our waterways with the help of volunteers. Watch what they do.	YOE video - Plastic Collection YOE video - Replacing coffee cups YOE video - Sea Cleaners	
EXTRA RESOURCES / IDEAS IF YOU WANT TO TAKE LEARNING FURTHER			
ACTIVITY	Math: If you picked up one piece of rubbish a day, how much rubbish would you pick up in a week? A month? A year? If everyone in your class picked up one piece of rubbish a day, how much rubbish would you pick up in a week? A month? A year? If everyone in your school picked up one piece of rubbish a day, how much rubbish would you pick up in a week? A month? A year? If everyone in New Zealand picked up one piece of rubbish a day, how much rubbish would you pick up in a week? A month? A year?		Maths - Number

THINK / LIST / DO	Take Action! What can we do right now? Make a list. Teachers - Co-construct with your students, but some possible ideas are: Rubbish pick up around the school / community Sew a washable sandwich bag Make a poster/blog post to inform others Create a device to stop rubbish going down drains (still allowing water to flow!) Create a video to raise awareness Have rubbish-free lunch days at school Think - what barriers might there be for these ideas? How can you overcome those barriers? What do you need to do to make this happen?		
RESEARCH	Look at the most common plastic items in lunchboxes and investigate the 'life cycle' of those plastics and create a timeline to show this. How was the plastic created? How did it get to the supermarket? Where does it go if you put it in the bin? Where does it go if you drop it on the ground?	Plastic recycling in NZ	Science - materials
READ	Sea Science - From Connected Level 2 'Wild Discoveries'	Sea Science - slides	
READ	People making a difference - Maturanga Maori. Increasing mussel numbers using taura kuku (woven spat lines) instead of plastic lines for mussels to grow on.	Story from News Hub	
ACTIVITY	Try this great hands-on activity from 'Kids Greening Taupo'. It's perfect for exploring plastics in your lakeside, riverside or seashore environment. Collect a large container of sand from next to your waterway. Sift it through shade cloth and then a sieve to catch anything bigger than sand. Then pick out the sticks / seaweed / shells etc and see what is left. How much plastic is there? Can you tell what it came from?	Explore Plastics in your environment - Kids Greening Taupo	

RESOURCE	Trusted digital resources from Digital NZ, created around each day's theme. Curated and compiled by Te Puna Mātauranga o Aotearoa National Library of New Zealand, Services to Schools staff.	Digital NZ stories around plastic pollution	
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