River Detectives at a Distance

Theme: Urban Stormwater & Rural Runoff

Objective: To understand the impact stormwater/runoff can have on aquatic life, strategies to maximise waterway health and how to reframe stormwater as a resource.

Please adhere to all current COVID-19 advice, particularly for activities in orange. Make outings part of your daily exercise and work with others in your home or remotely by phone, zoom, facetime, etc

Maria La La Casada	Manager CTART HERE	Hadana dha	A collision	A 1 1	0	e. d. d. d.
Ways to be Smart	Knowing START HERE	Understanding	Applying	Analysing	Creating	Evaluating
	Use the Stormwater and Me sheet	Get to know the lingo		Watch these videos about		Very few people know about soft
	to brainstorm the topic before you	by completing		microplastics in our <u>streams</u> and	enviro-story as inspiration to create	plastic recycling. Come up with a
	begin on this learning journey.	Stormwater words, a	•	oceans. Illustrate and label a food	inspiration to create	plan to spread the word. Design a
Hearn best by reading	What is it, where does it go, what		,, ,	chain or food web to explain how	· ———	flyer or poster, write an article for
writing & speaking	can be washed into waterways,	Crossword, or the Stormwater Find-	· · · · · · · · · · · · · · · · · · ·	humans can unknowingly end up		your school/community newsletter
	what happens next? Add to the		1	ingesting plastics.		or lobby staff/school council to get
	sheet as you work on this matrix.		strategies that can reduce them.		strip, make a short film	your school/families involved.
.07	' ''	Work with an adult to do the From	Complete some Brain			Well vegetated stream banks and
÷//≥	litter you see at your school/	Your Street To Your Creek activity.		soft plastic recycling program. Save		riparian verges can buffer the
- · · - ·	The state of the s	Research the impact pollutants		soft plastics over several weeks and		impact of surrounding land uses
Allegan break brown allegan	1 01	have on waterways and complete				and filter potential pollutants,
216		the sheet, <u>Link It All Together</u> .	1	have saved from landfill. Calculate		especially in rural areas. Conduct a
· ·	Tally the number of stormwater			1	· ·	habitat survey at your local
	pits you find on your walk.				and give solutions to reduce it.	waterway and rate it's health.
	Visit " <u>The Dirty Truth</u> " website.		1	,	•	Hear inspiring stories of how
	Read the stormwater summary and	· '			· ·	stormwater is being harvested and
		understand the movement of water	1	Use the <u>riparian illustration</u> to		repurposed in <u>Fitzroy Gardens</u> and
	learn more. Make a flyer to show					Kingston. Illustrate a map/plan or
	three simple ways to keep		build a stylised model of an aquatic		stencil' slogans and images. Design	
	1	demonstrate. Next time it rains, go	1	waterway if poor land management		where this could be done in your
			•	· ' '		community.
***	Photograph the 'pervious' and	Watch a video about litter and	Did you know that 90% of litter in a			Devise an experiment to assess the
	'impervious' surfaces at your	<u>platypus</u> . Add drawings of aquatic		or in your local neighbourhood.		permeability of surfaces; soil, sand,
				Check with an adult first; pick up	your own invention to either	mulch, grass, pavers, etc. You could
Body Smart		and other types of pollution to this		rubbish, sweep up sand/soil, rake	reduce waste, clean up the streets	
I learn best by being	might take (down hills, into		<u>Pollution On The Move</u> to	up leaves, plant native grasses, plan		when various quantities and flow
active and manus on	drains/pits/out of pipes) and where		investigate how different pollutants		enter waterways. Sketch or build a	!!
	it might end up.	•	1	surface to a natural one, etc.	prototype.	Conduct and evaluate your results.
**	Do the <u>Urban Stormwater Survey</u>	Be a 'mythbuster' and explain to	Work with others and use props if	Play one of the games in the <u>Bits</u>		Water sensitive urban design sees
		someone else why these facts	necessary to complete Activity A or			stormwater as an asset, not a
		aren't true; Stormwater is treated		It will really get your brain thinking		problem. Watch this <u>video</u> ,
People Smart	be very surprised by the things you	before it enters waterways, litter is	Scenes activity OR play 3R's Bingo	and demonstrate what you have	confronting – discuss them with	reframe your thinking about
Llearn hest by working		the only thing that can be washed	by listing family and friends that fit	been learning!	family/friends. Come up with	stormwater and use the innovative
with others	you the most important thing they	into waterways, stormwater is	each clue.		some practical ways that you/your	ideas to redesign a house, street or
	learnt.	useless wastewater.			family can help.	housing estate in your area.
À	Read the stormwater <u>factsheet</u> or	Everyone is responsible for	Research the time it takes for	Show your creative	The best way to prevent litter in	Consider these innovative ideas;
	watch this <u>video</u> for an introduction		various materials to biodegrade.	thinking skills by	, , ,	trash traps, sea bins, drain socks,
	to Urban Stormwater. Check in	What does your family do to	Display your findings on a timeline.	completing a <u>Brain</u>	in the first place. Analyse yourself	soundscapes, litter trackers, rain
	with yourself. How do you feel	prevent the three forms of	You might even like to set up a long	<u>Booster</u> . Devise	as a consumer and the packaging	gardens and stormwater stencils.
Jen Jinart	about this topic so far ? You	stormwater pollution; organic,	, , ,	some brain boosters for your	you bring into your home. Create	Do a 'PMI' listing the positives,
I learn best by myself	may like to keep a journal to track	chemical and litter? What could	items in your garden and digging	friends and family.	a plan to cut down or cut out your	negatives and interesting points
	your feelings during this theme.	you do better / differently ?	them up after 6 or 12 months.		rubbish production.	about each approach.