River Detectives at a Distance

Theme for August 2020: 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

to brainstorm the topic before you begin on this learning journey. What is it, where does it go, what can be washed into waterways, what happens next? Add to the sheet as you work on this matrix. Take a walk and tally the types of litter you see at your school/ street/park/waterway/beach. Make a picture graph or bar graph to show the most common items. Tally the number of stormwater pits you find on your walk. Visit "The Dirty Truth" website. Word samted into waterways and the position of the two video animations to waterways and the worden on the sheet, with read to begin on this learning journey. What is it, where does it go, what can be washed into waterways, and table or spreadsheet to list pollutant types, where they come from, what impact they have on waterways and the positive strategies that can reduce them. Take a walk and tally the types of litter you see at your school/ street/park/waterway/beach. Make a picture graph or bar graph to show the most common items. Tally the number of stormwater pits you find on your walk. Visit "The Dirty Truth" website. Read the stormwater summary and watch the two video animations to understand the movement of water boxes, packets, containers, broken	few people know about soft ic recycling. Come up with a to spread the word. Design a or poster, write an article for school/community newsletter oby staff/school council to get school/families involved. vegetated stream banks and ian verges can buffer the ct of surrounding land uses filter potential pollutants, cially in rural areas. Conduct a last survey at your local rway and rate it's health. Inspiring stories of how mwater is being harvested and rposed in Fitzroy Gardens and
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	e a model to show how and
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and visualising do a letter box drop in your area. butdoors to see how it plays out. stormwater pollution. practices are employed. awareness of stormwater. commu	nunity.
Photograph the 'pervious' and Watch a video about litter and Did you know that 90% of litter in a Get active at your place, at school Study stormwater solutions; trash Devise a	se an experiment to assess the
(impervious' surfaces at your platypus. Add drawings of aquatic waterway sinks! What we see, is pr in your local neighbourhood. traps, sea bins, drain socks. Design permea	leability of surfaces; soil, sand,
house/school/in your creatures (don't forget water bugs) only part of the problem! With Check with an adult first; pick up your own invention to either mulch, a	h, grass, pavers, etc. You could
Body Smart neighbourhood, the path water and other types of pollution to this adult supervision complete rubbish, sweep up sand/soil, rake reduce waste, clean up the streets also tes	test the amount of runoff
I learn best by being might take (down hills, into poster. Insert speech bubbles to pollution On The Move to up leaves, plant native grasses, plan or catch pollutants before they when vital takes (down hills, into poster).	n various quantities and flow
active and hands on drains/pits/out of pipes) and where show the thoughts and feelings of investigate how different pollutants a makeover to change a paved enter waterways. Sketch or build a rates of	of water are applied.
it might end up. creatures and plants. behave in water. surface to a natural one, etc. prototype. Conduc	uct 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> Watch one or all of these <u>small</u> , Water s	er sensitive urban design sees
with people you know and discuss someone else why these facts hecessary to complete Activity A or and Pieces activity with your family. medium and long videos about stormw	nwater as an asset, not a
the answers with them. They may aren't true; Stormwater is treated C from the <u>Dramatic Stormwater</u> It will really get your brain thinking ocean pollution. They can be problem	lem. 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	me your thinking about
I learn best by working can teach them. Ask them to tell the only thing that can be washed by listing family and friends that fit been learning!	nwater and use the innovative
with others you the most important thing they into waterways, stormwater is each clue.	to redesign a house, street or
learnt. useless wastewater. family can help. housing	ing estate in your area.
Read the stormwater <u>factsheet</u> or <u>Everyone</u> is responsible for <u>Research</u> the time it takes for <u>Show your creative</u> The best way to prevent litter in <u>Consideration</u> Consideration C	ider these innovative ideas;
watch this <u>video</u> for an introduction reducing stormwater pollution. various materials to biodegrade. thinking skills by waterways is to stop producing it <u>trash tras</u>	traps, sea bins, drain socks,
to Urban Stormwater. Check in What does your family do to Display your findings on a timeline. completing a Brain in the first place. Analyse yourself sounds:	dscapes, litter trackers, rain
	ens and stormwater stencils.
Self Smart about this topic so far ? You stormwater pollution; organic, term experiment, burying various some brain boosters for your you bring into your home. Create Do a 'PI	'PMI' listing the positives,
	tives and interesting points
	t each approach.