Introduction of Waste & 5Rs: Lesson 1

Stage/ Year	K-2	Lesson Number	1	Duration	45 mins

Key Learning Area(s)	Science, HSIE

Syllabus outcome/objectives(s)	Additional Key Learning Areas
STE-SCI-01: Identifies and describes characteristics of living things, properties of materials, and movement **STE-PQU-01:** Poses questions based on observations to collect data **ST1-SCI-01:** Measures and describes changes in living things, materials, movement, Earth and the sky **HSE-GEO-01:** Identifies and locates places people connect with, using geographical information **HS1-GEO-01:** Describes ways people connect to and care for places, water environments and each other, using geographical information	**ENE-OLC-01 –** Communicates effectively by using interpersonal conventions and language with familiar peers and adults **EN1-OLC-01 –** Communicates effectively using interpersonal conventions and language to extend and elaborate ideas for social and learning interactions. **MAE-RWN-01 –** Demonstrates an understanding of how whole numbers indicate quantity **MAE-RWN-02 -** Reads numerals and represents whole numbers to at least 20 **MAE-GM-01 –** Describes position and gives and follows simple directions **MA1-RWN-02 –** Reasons about representations of whole numbers to 1000, partitioning numbers to use and record quantity values **MA1-GM-01 –** Represents and describes the positions of objects in familiar locations **PHE-SM1-01 –** Identifies and demonstrates self-management and interpersonal skills **PH1-SMI-01 –** Describes and demonstrates self-management and interpersonal skills in a range of contexts

Sequence of Teaching/Learning experiences	Teaching strategies	Assessment	Resources
Introduction - **What is waste?** *Discuss the concept of waste as a class* → Think Pair Share: partner discussions on waste concept and anything students know about this word - Where do you think our waste goes? → Think, Pair, Share: partner discussions on where waste goes → share ideas and brainstorm as class - Show students a map of the 'waste trail' to show waste and where it goes (*into streams/lakes/oceans/landfill*) → discuss concept of landfill - **What is landfill?** What goes into landfill? *Anything that goes into the 'general rubbish' bin will go into landfill* →tell students: "imagine everyone put their rubbish on the school oval. Everyone at the school and all the people in the local area. It is just left there" *what discussion does this provoke amongst students?* - **Discuss the 5Rs** → refuse, reduce, reuse, recycle, rethink → ask students to think of examples of these. Brainstorm as a class → *Do you do any of these? How could you?*	Whole class Partner (TPS)	Students understand the 5Rs and can state one of the 5Rs and how they can perform this.	- 5Rs sign - Maps x2 → where does waste go? → where does waste go when not in the bin? - Pre-made bin → plastic (hard) → plastic (soft) → paper → glass → toxic (*paint tin*) → metal → landfill
Activity - **Discuss rubbish/waste** → get the pre-made bin and the bin cards. Empty the bin → discuss each piece of rubbish and what bin it would go in and *why* → link back to map of where our rubbish goes - What would happen if we didn't put our rubbish into the right bins and put them all in the one bin? *It would all go to Landfill*	Whole class		