

# Food Waste: Lesson 3

Stage/ Year	K-2	Lesson Number	3	Duration	45 mins
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Key Learning Area(s)	Science
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Syllabus outcome/objectives(s)	Additional Key Learning Areas
<p><b>STE-SCI-01</b> - Identifies and describes characteristics of living things, properties of materials, and movement</p> <p><b>ST1-SCI-01</b> – Measures and describes changes in living things, materials, movement, Earth and the sky</p>	<p><b>ENE-OLC-01</b> – Communicates effectively by using interpersonal conventions and language with familiar peers and adults</p> <p><b>ENE- VOCAB-01</b> – Understands and effectively uses Tier 1 words and Tier 2 words in familiar contexts</p> <p><b>EN1-OLC-01</b> - Communicates effectively by using interpersonal conventions and language to extend and elaborate ideas for social and learning interactions</p> <p><b>EN1- VOCAB-01</b> – Understands and effectively uses Tier 1, taught Tier 2 and Tier 3 vocabulary to extend and elaborate ideas</p> <p><b>MAE-RWN-02</b> - Reads numerals and represents whole numbers to at least 20</p> <p><b>MAE-3DS-02</b> – Describes and compares volumes</p> <p><b>MA1-RWN-02</b> – Reasons about representations of whole numbers to 1000, partitioning numbers to use and record quantity values</p> <p><b>MA1-3DS-02</b> – Measures, records, compares and estimates internal volumes (capacities) and volumes using uniform informal units</p> <p><b>PHE-SM1-01</b> – Identifies and demonstrates self-management and interpersonal skills</p> <p><b>PH1-SMI-01</b> – Describes and demonstrates self-management and interpersonal skills in a range of contexts</p>

Sequence of Teaching/Learning experiences	Teaching strategies	Assessment	Resources
<p style="text-align: center;"><b>Introduction</b></p> <ul style="list-style-type: none"> <li>- <b>Recap: What is waste?</b></li> <li>- <b>Recap: What are the 5Rs? How have you been doing some of these?</b> <ul style="list-style-type: none"> <li>→ Think, Pair, Share: partner work and then brainstorm ideas for some of the 5Rs mentioned by students</li> </ul> </li> <li>- Look at the sections that we can sort rubbish into from lesson 1 <ul style="list-style-type: none"> <li>→ what do we do with each section? Where does it go?</li> <li>→ what do we do with the food scraps? <i>Normally, they go into landfill!</i></li> </ul> </li> <li>- We can use one of the 5Rs with the food scraps!</li> <li>- <b>Watch Composting 4 Kids video (see link)</b> <ul style="list-style-type: none"> <li>→ while students are watching, teacher may need to explain some of the concept presented</li> </ul> </li> <li>- <b>Discuss the video and the concept of composting</b> <ul style="list-style-type: none"> <li>→ <b>Can you do this at home? Can we do this at school?</b></li> </ul> </li> <li>- Students get their school hat and walk to the school compost bin [if applicable]</li> </ul> <p style="text-align: center;"><b>Activity</b></p> <ul style="list-style-type: none"> <li>- Recap composting: what does it mean? What 5Rs are we using? <i>Reusing</i></li> <li>- Discuss the <b>ADAM Principles of Composting</b> (see resource sign) <ul style="list-style-type: none"> <li>→ why do we need to keep the things we put into the bins diverse?</li> <li>→ how do we keep worms (living things) alive?</li> </ul> </li> <li>- Look at the active bin (<i>green lid</i>) and the finished bins (<i>red lid</i>) <ul style="list-style-type: none"> <li>→ what is different between these two bins? What is in each bin?</li> <li>→ compost: <i>worms and micro-bugs eat all the food scraps and create soil (soil=worm poo!)</i></li> </ul> </li> <li>- Use plate and collect some compost with worms <ul style="list-style-type: none"> <li>→ students are able to look and touch worms</li> <li>→ discuss the role of worms in the composting process</li> </ul> </li> <li>- Discuss the term <b>ecologist</b> <ul style="list-style-type: none"> <li>→ <i>we care for everywhere we go</i></li> <li>→ how can we be ecologist?</li> </ul> </li> <li>- Wash hands as soon as you finish this lesson</li> </ul> <p><b>NOTE:</b> If your school does not have a compost bin, this could be a talking point for your students and they can create one for the grade/school to use. Ask the canteen to support this.</p>	<p>Whole class</p> <p>Partner (TPS)</p> <p>Whole class</p>	<p>Students participate in activities.</p> <p>Students can identify two of the 5Rs.</p>	<p>- <i>Composting 4 Kids</i> Video  <a href="https://www.youtube.com/watch?v=Ld82F6Hm358">https://www.youtube.com/watch?v=Ld82F6Hm358</a></p> <p>School Compost Bins</p> <p>- ADAM principles signs</p> <p>- Compost turners</p> <p>- Plate (<i>for the worms</i>)</p>