

Make your own paper: Lesson 4

Stage/ Year	K-2	Lesson Number	4	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>STE-SCI-01 - Identifies and describes characteristics of living things, properties of materials, and movement</p> <p>STE-PQU-01 – Poses questions based on observations to collect data</p>	<p>ENE-OLC-01 – Communicates effectively by using interpersonal conventions and language with familiar peers and adults</p> <p>ENE- VOCAB-01 – Understands and effectively uses Tier 1 words and Tier 2 words in familiar contexts</p> <p>EN1-OLC-01 - Communicates effectively by using interpersonal conventions and language to extend and elaborate ideas for social and learning interactions</p> <p>EN1- VOCAB-01 – Understands and effectively uses Tier 1, taught Tier 2 and Tier 3 vocabulary to extend and elaborate ideas</p> <p>MAO-WM-01 – Working mathematically</p> <p>MAE-RWN-01 – Demonstrates an understanding of how whole numbers indicate quantity</p> <p>MAE-RWN-02 - Reads numerals and represents whole numbers to at least 20</p> <p>MA1-RWN-02 – Reasons about representations of whole numbers to 1000, partitioning numbers to use and record quantity values</p> <p>PHE-SM1-01 – Identifies and demonstrates self-management and interpersonal skills</p> <p>PH1-SMI-01 – Describes and demonstrates self-management and interpersonal skills in a range of contexts</p>

Sequence of Teaching/Learning experiences	Teaching strategies	Assessment	Resources
<p>Introduction Recap last lesson by looking at the progress of decomposition of the paper, banana peel and wrapper.</p> <ul style="list-style-type: none"> - Ask students what they remember the three materials looked like. Ask the students to predict again what will have decomposed the most over the past week. - Check the rate of decomposition and discuss students' observations. <p>Discuss the concept of paper</p> <ul style="list-style-type: none"> - How is it made? Compare this to how paper was made when their parents were at school. What is paper made from? https://youtu.be/uA56TLfEE9k <p>Activity Demonstrate how to make recycled paper (select students to participate at various points during the process.)</p> <ul style="list-style-type: none"> - Fill a tub with water, about 3-4cm in depth. - Tear up some used paper into strips about 1-2cm in width. - Place paper into a blender and fill with warm water and blend. <ul style="list-style-type: none"> - If desired tear up some coloured or patterned paper and place in blender, give a few short pulses of the blender. This will add decoration. - Place template into the water. - Pour mixture into template and mix it around to evenly distribute. - Pull the template out of the water and place on towel. - Use a sponge to draw out excess water from the paper. - Flip the paper onto the towel, place a screen over the paper and use a rolling pin to draw out excess moisture and flatten paper. - Place paper on a flat surface to dry. → alternatively, use a dry iron on wool setting to dry paper. <p>Reflection Discuss the process with students, highlighting how materials can be recycled to reduce impacts on landfill.</p> <ul style="list-style-type: none"> - Advanced students may also be encouraged to observe how much effort and other resources are used in this process and consider if this reflects sustainable practice. 	<p>Whole class</p> <p>Whole class with individual predictions</p>	<p>Students discuss previous lesson, have they learnt the different types of waste?</p>	<p>Blender Paper Plastic tub Template with screen Warm water Rolling pin (optional) Sponge Chamois (optional)</p>