


Science Stage 2: Material World

Outcomes: ST2-1WS-S, ST2-2DP-T, ST2-7MW-T

Writing	Knowing	Understanding	Applying	Analysing	Creating	Evaluating																							
<p><u>Verbal</u></p> <p>I enjoy reading, writing & speaking</p>	<p>Make a list of 20 food items in your kitchen. Write down what they are packaged in e.g. glass, paper/cardboard, metal, wood, plastic</p>	<p>Write down this table and fill it in. The first row has been done for you</p> <table border="1" data-bbox="757 469 1301 655"> <thead> <tr> <th></th> <th>Waterproof</th> <th>Breakable</th> <th>Flammable</th> </tr> </thead> <tbody> <tr> <td>Glass</td> <td>✓</td> <td>✓</td> <td></td> </tr> <tr> <td>Metal</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Cardboard</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Wood</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Plastic</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Waterproof	Breakable	Flammable	Glass	✓	✓		Metal				Cardboard				Wood				Plastic				<p>Make a list of items in your kitchen have this symbol</p> 	<p>Write a story where one day you woke up and all the plastic in your house disappeared.</p>	<p>Do you think plastic, glass or cardboard is better to hold eggs in?</p> <p>Write at least 3 reasons why you think this.</p>
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<p><u>Mathematical</u></p> <p>I enjoy working with numbers & Science</p>	<p>Using your list of food items in your kitchen, tally the number of items packaged in glass, paper/cardboard, metal, wood and plastic</p>	<p>Can you recognise some 3D shapes in the objects you have in your kitchen?</p> <p>e.g. a tin can is a cylinder</p> <p>Sketch some of the items and label your sketches with what 3D objects you can see</p>		<p>Choose 1 glass item, 1 paper/cardboard item, 1 metal item, 1 wooden item and 1 plastic item in your house. Measure the length of each item and put them in order of shortest to longest</p>	<p>Make a small model of 3 things you can find in your kitchen using play-dough, paper, foil, or anything else you can find at home.</p>	<p>Write a list of the 10 most important items in your kitchen. #1 is most important, #10 is least important. Justify each choice.</p>																							
<p><u>Visual/Spatial</u></p> <p>I enjoy drawing & visualising</p>	<p>Draw some of the different types of packaging you found e.g. a tin can, a plastic container</p>	<p>Collect images of baskets or nets that have been made using different materials and techniques by Indigenous people</p>	<p>Have a go of making a basket or net using the techniques you learnt about in the activity to the left</p>	<p>Imagine a world where everything was extremely fragile. What does it look like? How would our lives be harder?</p>	<p>Design a new way of packaging eggs. Draw your design, labelling the features</p>	<p>Do you think your design for your egg packaging is better than normal egg cartons? Why or why not?</p>																							

<p><u>Kinaesthetic</u> I enjoy doing hands-on activities</p>	<p>Play a game of charades where you act out things in nature, e.g. a tree or a bird</p>	<p>Fold a piece of paper in half, then fold it in half again. How many times can you fold it in half? Can you do it more than 7 times?</p>	<p>Create a tower using newspaper, paper and/or cardboard that can hold a marble on top</p>	<p>Place various small objects you can find in your house in an ice cube tray. Drop some water on each item. Which ones are waterproof? Which ones are not?</p>	<p>Make a box to hold something very important using paper, play-dough or anything else you can find at home</p>	<p>What is the best way to make a paper aeroplane? Create and test your design. Did it work as well as you thought it would?</p>
<p><u>Musical</u> I enjoy listening to music</p>	<p>Listen to some of your favourite songs. What sorts of instruments can you hear? What sorts of sounds do they make?</p>		<p>How many words can you think of that rhyme with 'plastic'? Use these to create a rhyming poem.</p>	<p>Sit outside for a little while. Listen to the sounds you can hear in nature. What are they?</p>	<p>Make a musical instrument using materials found in your home/backyard</p>	<p>What food item in your kitchen would make the best musical instrument? Why?</p>
<p><u>Intrapersonal</u> I enjoy working by myself</p>	<p>Write a diary entry / short paragraph about something you have learnt this term</p>	<p>Research one of these types of materials: Teflon, Kevlar, Graphene, Starlite, Carbon nanotubes Write some interesting facts about the one you researched. What can it be used for? Who discovered it? Is it waterproof, breakable or flammable?</p>		<p>Sit outside for a little while. Listen to the sounds you can hear in nature. What are they?</p>	<p>Invent some new dance moves called: -The paper -The plastic -The wood -The glass -The metal</p>	<p>Would you rather be made of glass or wood? Explain your answer.</p>