



## TSS Primary Science MTP 2023-2024 Year 2 Block 3 - Chemistry

Key Targets and Learning Objectives		Key Activities	Key Vocabulary
<ul style="list-style-type: none"> <li>Describe a property as a characteristic of a material and understand that materials can have more than one property.</li> <li>Know that materials can be tested to determine their properties.</li> <li>Explain why materials are chosen for specific purposes on the basis of their properties.</li> <li>Know that some changes can turn a material into a different material.</li> <li>Understand that some materials occur naturally and others are manufactured.</li> <li>Make predictions about what they think will happen (WS)</li> <li>Follow instructions safely when doing practical work (WS)</li> <li>Describe what happened during an enquiry and if it matched predictions (WS)</li> </ul>		<ul style="list-style-type: none"> <li>Show examples of natural and manufactured materials.</li> <li>Hardware store Play Area: What is it made of? How does it feel? -&gt; <i>Y2 Primary Science Learner's Book p. 32</i>. Examine and discuss the appearance of different natural and manufactured materials noting their material and properties.</li> <li><u>Make a Boat</u>: Explain why materials are chosen for specific purposes based on their properties -&gt; Which materials will keep the boat from sinking?</li> <li>Testing materials -&gt; <i>Y2 Primary Science Learner's Book p. 38</i>.</li> <li>Carry out simple experiments following teacher's direction to explain and demonstrate that materials can be changed:               <ul style="list-style-type: none"> <li>- Using force: <u>Student make slime</u> -&gt; notice the changing materials + <u>squashing, bending, twisting or stretching</u> .</li> <li>- Using heat: <u>Heat Conductors/Melting Butter</u></li> <li>- Using cooling: <u>Ice-cream in a Bag</u></li> </ul> </li> </ul> <p><b>STEM lesson:</b> Make a kite using different materials. Try to find out which one works the best. See:  <a href="https://www.youtube.com/watch?v=mc3AUuu9_I">https://www.youtube.com/watch?v=mc3AUuu9_I</a></p>	Different materials Equipment for kite – doweling, tape, strings etc Different materials to cool and heat
Physics Key Vocabulary	Going Green Link:	Integration of technology:	
Property; Material; Change; Natural; Manufactured; Man-made; Purpose; Use; Test; Characteristic. Hard; smooth; shiny; waterproof; rough; bumpy; cloths; cushion, feathers; rocks; fluffy; grainy; sandy; silky; slimy; melt; freeze; solid; liquid; gas	Think about: What happens to manufactured materials in nature? How does the manufacturing process of materials affect nature? What materials are recyclable and reusable? Which materials should we reduce the use of?	Use of iPads & Dojo <ul style="list-style-type: none"> <li>- Pictures and videos for observations</li> <li>- Research properties of a material</li> <li>- Show a change of material</li> </ul>	