



TSS Primary Science MTP 2022-2023

Year 1 Block 4 – Changing Materials Chemistry

Key Targets and Learning Objectives		Key Activities	Equipment
<ul style="list-style-type: none"> ➤ 1Cm.01- Identify, name, describe, sort and group common materials, including wood, plastic, metal, glass, rock, paper and fabric. ➤ 1Cm.02- Understand the difference between an object and a material. ➤ 1Cp.01- Understand that all materials have a variety of properties. ➤ 1Cp.02- Describe common materials in terms of their properties. ➤ 1Cc.01- Describe how materials can be changed by physical action, e.g. stretching, compressing, bending and twisting. ➤ 1SIC.04- Talk about how science helps us understand our effect on the world around us. ➤ 1SIC.02- Talk about how science explains how objects they use, or know about, work. ➤ 1TWSc.01- Sort/ group objects and materials on observations of the similarities and differences between them. ➤ 1TWSc.04- Follow instructions safely when doing practical work. ➤ 1TWSc.05- Collect and record observations and/or measurements by annotating images and completing simple tables. 		<p><i>Intro Lesson – Touch lots of different materials- is it hard? Is it soft? Is it bendy?</i></p> <p>Identify materials and their properties. Label materials with their properties.</p> <p>Sort items according to their properties. How many ways can we sort materials? Sort materials- wood, plastic metal, glass, rock, fabric and paper. Talk about recycling and how materials are organized into different boxes.</p> <p>Talk about how materials and similar and different.</p> <p>Talk about how one material is better to use for a specific purpose (buildings, tvs, cars etc) and what would happen if a different material was to be used. Encourage critical thinking.</p> <p>Which material is used for ___? What would happen if we used another material instead?</p> <p>STEM project with junk modelling</p> <p>Discover different changing material (play dough, metal hanger). Which materials stretch, compress , twist or bend?</p> <p>Create Bar graphs/ tallies and Venn diagrams to represent similarities/ differences.</p>	<ul style="list-style-type: none"> • Fabric • Wood • Plastic • Cardboard • Paper • Metal • Junk modelling • Oobleck • Play dough • Metal hangers
Key vocabulary	Going Green Link	Integration of technology	
Question, Predict, Observe, Equipment, Describe, Experiment, Investigate, Safety, soft, hard, spiky, rough, bright, dark, smooth, changing materials, recycle, properties	Discuss how we can recycle our materials and how we sort our materials into groups. Discover ways of how we can repurpose materials	Youtube videos on materials and their properties Creating graphs and tallies using a computer	



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