



TSS Primary Science MTP 2022-2023 Year 6 Block 3 – Chemistry

Key Targets and Learning Objectives		Key Activities		Equipment
<ul style="list-style-type: none"> • Know that the temperature at which a substance changes state is a property of the substance • Know that gases have properties, including mass • Understand that electrical conductivity and thermal conductivity are properties of a substance • Identify and describe physical changes that are reversible • Describe how temperature affects solids dissolving in liquids and relate it to the particle model • Describe the difference between boiling and evaporation • Observe and describe the evidence that a chemical reaction has taken place (limited to a gas being produced, colour change and change in temperature) • Use models, including diagrams, to represent and describe scientific phenomena and ideas (WS) 		<ul style="list-style-type: none"> • Lesson 1 – Test the melting times of different substances (butter, chocolate etc) and record the results. • Lesson 2 – Investigate how different materials conduct heat and see if there is a link to whether they conduct electricity. • Lesson 3 – Look at how water temperature effects the rate of dissolving. • Lesson 4 – Look at reversable and irreversible changes, both those that happen quickly and over time. • Lesson 5 – Observe a chemical reaction and start to investigate evidence for chemical reactions. • Lesson 6 – See chemical change in the form of making pizza! • STEM activity – make a solar paneled pizza oven. 		<ul style="list-style-type: none"> • Various solids (e.g. butter, chocolate, jelly etc) • Various materials • Kettle • Thermometer • Insulators • Pizza recipe • Pizza boxes • Tin foil • Cling film
Key vocabulary	Going Green Link	Integration of technology		
Solid, liquid, gas, particle model, conduction, thermal/electrical conductor, reversable, irreversible, solute, solvent, react, products, evidence	<ul style="list-style-type: none"> • Look at how using insulators are a good way to use less energy 	<ul style="list-style-type: none"> • iPads for use in research • watch videos • film changes of state 		