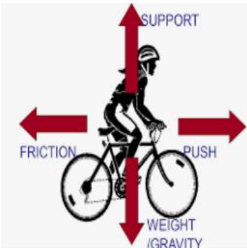


ALDER COPPICE PRIMARY SCHOOL UNIT INFORMATION

SUBJECT: Science		YEAR 5	FOCUS: Physics and Chemistry	SUMMER TERM UNIT 5: Forces UNIT 6: Irreversible Changes
Knowledge Focus	Physics Forces	Chemistry Properties & Changes in Material		
National Curriculum Knowledge	<p>-Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object</p> <p>-Identify the effects of air resistance, water resistance and friction, that act between moving surfaces</p> <p>-Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.</p>	<p>-Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets</p> <p>-Know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution</p> <p>-Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporation.</p>		
Year 5 Summer 1	<p>FORCES</p> <p>Children Will:</p> <ul style="list-style-type: none"> ➤ Know that unsupported objects fall to the Earth because of gravity. ➤ Understand the effects of air resistance, water resistance and friction ➤ Know that some mechanisms such as levers and pulleys allow a smaller force to have a greater effect. 			
Year 5 Summer 2		<p>IRREVERSIBLE CHANGES</p> <p>Children Will Know:</p> <ul style="list-style-type: none"> ➤ That some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda. ➤ That heating and burning are two different things ➤ How a famous chemist has created a new material 		