
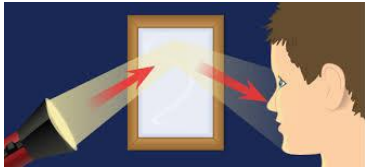

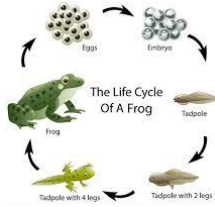
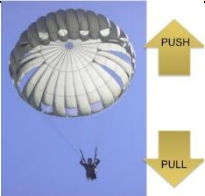




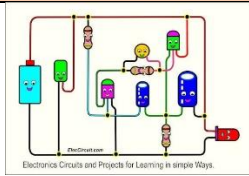


# Haresfield Science Curriculum UKS2

		Theme 1		Theme 2		Theme 3		Theme 4	
Year A									
		<p><b>What happens in a potions lesson at Hogwarts?</b>                      Compare and group together everyday materials                      Explain dissolving.                      Describe how to recover a substance from a solution                      Demonstrate that dissolving, mixing and changes of state are reversible changes.                      Explain that some changes result in new materials, and that this kind of change is not usually reversible.</p>		<p><b>Why can't I see around corners?</b>                      Recognise that light appears to travel in straight lines.                      Explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes.                      Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.</p>		<p><b>Classification</b>                      Classify organisms into broad groups including micro-organisms, plants and animals                      Design a classification key.</p>		<p><b>Do all species start as an egg?</b>                      Observe and compare the life cycles of plants and animals. Compare how different animals reproduce and grow..</p>	
Year B									
		<p><b>How can forces keep us safe?</b>                      Explain why objects fall towards the Earth.                      Investigate air resistance, water resistance and friction.                      Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.</p>	<p><b>Why aren't there dinosaurs in Stroud?</b>                      Identify animals from fossils.                      Understand variation.                      Understand that adaptation may lead to evolution.</p>	<p><b>Which bits of my body could I live without?</b>                      Name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood                      recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function                      describe the ways in which nutrients and water are transported within animals, including humans</p>	<p><b>Would you want to live in Space?</b>                      Describe the movement of the Earth, and other planets, relative to the Sun                      Describe the movement of the Moon relative to the Earth                      Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.</p>	<p><b>Circuit Breaker or Circuit Fixer?</b>                      Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit.                      Create a circuit diagram using symbols.</p>			