

Rendlesham Primary School Science Curriculum

	Year 1 and Year 2	Year 3 and Year 4		Year 5 and Year 6	Core Knowledge	
CONFLICT Autumn	Can we improve castles with our modern materials? A study of the properties of materials observation of the seasons	What if we combine different solids, liquids and gases? The opportunity to explore solids, liquids and gases including the water cycle.		Is there more to discover? An in depth study of Solids, Liquids and Gases including irreversible and reversible change	Why won't I stay the same? Compare physical change to emotional development	Chemistry –States of Matter
PLANET EARTH Spring	Do animals need a weather forecast? A study of habitats and living things observation of the seasons	How are people affecting food chains? A study of Food chains and the environmental impact on life		How do we want the future living conditions to be for all species? (Greta Thunberg) A study of the life cycle of plants and animals including adaptation and interdependence		Biology - Understand plants, animals and humans Investigate living things
BRITAIN Summer	Do animals need a calendar? observation of seasonal changes Pond dipping	Should black be a colour? A study of light and shadow To include a basic knowledge of the solar system		Why won't I stay the same? Compare physical change to emotional development	What is light? Light and reflection	Physics- Season and Light
HUMAN KIND Autumn	Are big ears “all the better for hearing” with? Body parts and senses Animals including Humans	How might deaf people hear? Sound – made by vibrations	Are humans animals? Skeleton/ digestive system /teeth	Do we have hidden senses? Animals including humans Circulatory system		Physics Investigate sound and hearing Biology Understand animals and humans
INVENTIONS Spring	Do risk takers become inventors? Suitability of everyday materials	Do risk takers become inventors? Electricity Forces Magnets		Do risk takers become inventors? Electricity		Physics Understand movement, forces and magnets

<p>CIVILISATION</p> <p>S</p> <p>Summer</p>	<p>Could we grow a beanstalk like Jack's?</p> <p>Plants</p> <p>Seeds</p>	<p>What might archaeological finds of the future look like?</p> <p>Rocks soils</p> <p>Fossils</p>	<p>What would a world without bees be?</p> <p>Plants</p> <p>Seeds</p>	<p>"No great discovery is ever made without a bold guess"- Did Newton guess?</p> <p>Earth and Space</p> <p>Forces</p>	<p>Biology</p> <p>Understand evolution and inheritance</p> <p>Physics</p> <p>Earth Space and Forces</p>
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