



# St James & St John C.E. Primary School

## Science Overview 2025 – 2026

	Autumn Term 1 <sup>st</sup> Half	Autumn Term 2 <sup>nd</sup> Half	Spring Term 1 <sup>st</sup> Half	Spring Term 2 <sup>nd</sup> Half	Summer Term 1 <sup>st</sup> Half	Summer Term 2 <sup>nd</sup> Half
<b>EYFS</b>	<b>Seasons:</b> The seasons The weather <ul style="list-style-type: none"> <li>• What's in my basket?</li> <li>• Me and my small world</li> <li>• Senses</li> </ul>					
<b>Y1</b>	<b>Seasonal Changes:</b> changes in Autumn <b>The human body</b> <ul style="list-style-type: none"> <li>• Identify parts of the body</li> <li>• Draw and label parts of the body</li> <li>• Sight</li> <li>• Sound</li> <li>• Taste</li> <li>• Touch</li> <li>• smell</li> </ul> <b>Seasonal Changes</b> <ul style="list-style-type: none"> <li>• Changes in autumn</li> <li>• Collect and record data</li> </ul>	<b>Seasonal Changes:</b> changes in winter <b>Materials</b> <ul style="list-style-type: none"> <li>• Explore materials</li> <li>• Objects and materials</li> <li>• Melt and freeze</li> <li>• Float or sink?</li> <li>• Absorbent materials</li> <li>• Investigating materials</li> </ul>	<b>Seasonal Changes:</b> changes in Spring <b>Seasonal Changes</b> <ul style="list-style-type: none"> <li>• Changes in winter</li> <li>• Collect and record data</li> </ul> <b>Animals</b> <ul style="list-style-type: none"> <li>• Mammals</li> <li>• Birds</li> <li>• Fish</li> <li>• Amphibians</li> <li>• Reptiles</li> <li>• Compare and group animals</li> <li>• Carnivores</li> <li>• Herbivores</li> <li>• Omnivores</li> </ul>	<b>Seasonal Changes:</b> changes in Summer <b>Planting</b> <ul style="list-style-type: none"> <li>• Winter plants</li> </ul> <b>Caring for the planet</b> <ul style="list-style-type: none"> <li>• Why is it important to care for our planet?</li> <li>• How do we care for our planet?</li> </ul> <b>Planting</b> <ul style="list-style-type: none"> <li>• Observe changes</li> <li>• Plant spring</li> </ul>	<b>Seasonal Changes:</b> changes in Summer <b>Plants</b> <ul style="list-style-type: none"> <li>• Plant parts</li> <li>• Tree parts</li> <li>• Wild and garden plants</li> <li>• Plants in my local area</li> <li>• Deciduous trees</li> <li>• Evergreen trees</li> <li>• Trees in my local area</li> </ul>	<b>Seasonal Changes:</b> collect and data throughout the seasons <b>Planting</b> <ul style="list-style-type: none"> <li>• Summer plants</li> </ul> <b>Growing and cooking</b> <ul style="list-style-type: none"> <li>• Where does my food come from?</li> <li>• What have I planted and grown this year?</li> </ul> <b>Seasonal changes</b> <ul style="list-style-type: none"> <li>• What are the main changes in each season?</li> </ul>
<b>Y2</b>	<b>Animals' needs for survival</b> <ul style="list-style-type: none"> <li>• Mammals</li> <li>• Birds</li> <li>• Fish</li> <li>• Amphibians</li> <li>• Reptiles</li> <li>• Humans</li> </ul> <b>Humans</b> <ul style="list-style-type: none"> <li>• Exercise</li> <li>• Food</li> <li>• Hygiene</li> <li>• teeth</li> </ul>	<b>Materials</b> <ul style="list-style-type: none"> <li>• Explore materials</li> <li>• Wood, paper and cardboard</li> <li>• Brick and rock</li> <li>• Glass and plastic</li> <li>• Metal</li> <li>• Fabrics</li> <li>• Waterproof experiment</li> </ul> <b>Plastic</b> <ul style="list-style-type: none"> <li>• Plastic helpful or harmful?</li> </ul>	<b>Plants</b> <ul style="list-style-type: none"> <li>• Plant parts</li> <li>• What plants need to grow?</li> <li>• Light and dark experiment</li> </ul> <b>Living things and their habitats</b> <ul style="list-style-type: none"> <li>• Habitats in my local area</li> <li>• Polar habitats</li> <li>• Desert habitats</li> </ul>	<b>Living things and their habitats</b> <ul style="list-style-type: none"> <li>• Ocean habitats</li> <li>• Woodland habitats</li> <li>• Microhabitats</li> <li>• Habitats and diet</li> <li>• Food chains</li> <li>• Living, dead or never alive?</li> </ul> <b>Bulbs and seeds</b> <ul style="list-style-type: none"> <li>• Plants (Light and dark)</li> </ul>	<b>Plants</b> <ul style="list-style-type: none"> <li>• Bulb or seed?</li> <li>• What plants need to grow?</li> <li>• Plant bulbs and seeds</li> </ul> <b>Growing up</b> <ul style="list-style-type: none"> <li>• Parent and offspring</li> <li>• Life cycle of humans</li> </ul>	<b>Growing up</b> <ul style="list-style-type: none"> <li>• Life cycle of different mammals</li> <li>• Life cycle of amphibians</li> <li>• Life cycle of a butterfly</li> <li>• Patterns between the life cycles</li> <li>• Butterfly diary</li> </ul> <b>Bulbs and seeds</b> <ul style="list-style-type: none"> <li>• Findings of bulb and seeds</li> </ul> <b>Wildlife</b> <ul style="list-style-type: none"> <li>• What does wildlife do for us?</li> <li>• What can we do for wildlife?</li> </ul>



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<b>Y3</b>	<p><b>Skeletons</b></p> <ul style="list-style-type: none"> <li>Identify bones in a human body</li> <li>Functions of skeleton</li> <li>Identify bones in a range of animals</li> <li>Vertebrates and invertebrates</li> </ul> <p><b>Movement</b></p> <ul style="list-style-type: none"> <li>Joints</li> <li>How we move</li> </ul> <p><b>Food Waste</b></p> <ul style="list-style-type: none"> <li>What is food waste?</li> <li>How can we reduce our food waste?</li> </ul>	<p><b>Nutrition and diet</b></p> <ul style="list-style-type: none"> <li>Food groups</li> <li>Balanced diets</li> <li>Animal diets</li> </ul> <p><b>Rocks</b></p> <ul style="list-style-type: none"> <li>Identify rocks</li> <li>Group rocks</li> <li>Test rocks</li> <li>Local rock survey</li> </ul>	<p><b>Fossils</b></p> <ul style="list-style-type: none"> <li>Explore fossils</li> <li>Fossil information</li> </ul> <p><b>Soil</b></p> <ul style="list-style-type: none"> <li>Explore soil</li> <li>Importance of soil</li> <li>Soil experiment</li> <li></li> </ul>	<p><b>Light</b></p> <ul style="list-style-type: none"> <li>Light sources</li> <li>The Sun</li> <li>Shadows</li> <li>Opaque, translucent or transparent?</li> <li>Shadow experiment</li> </ul>	<p><b>Plants</b></p> <ul style="list-style-type: none"> <li>Plant dissection</li> <li>Plant growth</li> <li>Stem and water transportation</li> <li>Looking at seeds</li> <li>Reproductive parts in plants</li> <li>Pollination</li> <li>Seed dispersal</li> <li>Life cycle of plants</li> </ul>	<p><b>Forces</b></p> <ul style="list-style-type: none"> <li>Explore forces</li> <li>Friction</li> <li>Friction experiment</li> </ul> <p><b>Magnets</b></p> <ul style="list-style-type: none"> <li>Magnets</li> <li>Magnetic and non-magnetic materials</li> <li>Investigate metals</li> </ul> <p><b>Plants</b></p> <ul style="list-style-type: none"> <li>Findings plant growth</li> </ul>
<b>Y4</b>	<p><b>Group and classify living things</b></p> <ul style="list-style-type: none"> <li>Group animals</li> <li>Vertebrates and invertebrates</li> <li>Classification keys animals</li> <li>Group plant</li> <li>Classification keys plants</li> </ul> <p><b>Data collection</b></p> <ul style="list-style-type: none"> <li>Data collection A</li> <li>Analyse data</li> </ul>	<p><b>States of Matter</b></p> <ul style="list-style-type: none"> <li>Solids, liquids and gases</li> <li>Changes states</li> <li>Use equipment</li> <li>Melting experiment</li> <li>Water cycle</li> <li>Evaporation experiment</li> </ul>	<p><b>Sound</b></p> <ul style="list-style-type: none"> <li>Vibrations</li> <li>The ear</li> <li>Investigate sounds</li> <li>Explore volume</li> <li>Explore pitch</li> <li>Volume experiment</li> </ul> <p><b>Data Collection</b></p> <ul style="list-style-type: none"> <li>Data collection B</li> </ul> <p>Analyse data</p>	<p><b>Electricity</b></p> <ul style="list-style-type: none"> <li>Common appliances that use electricity</li> <li>Build and draw series circuits</li> <li>What has gone wrong?</li> <li>Conductors and insulators</li> <li>Conductivity within a circuit</li> </ul> <p><b>Data Collection</b></p> <ul style="list-style-type: none"> <li>What is energy?</li> <li>How can we reduce our energy usage?</li> </ul>	<p><b>Habitats</b></p> <ul style="list-style-type: none"> <li>Living things and their habitat</li> <li>Classification keys animals</li> <li>Classification plants</li> <li>Human impact on habitats</li> </ul> <p><b>Data Collection</b></p> <ul style="list-style-type: none"> <li>Data collection C</li> <li>Analyse data</li> <li>Make conclusions</li> </ul>	<p><b>The digestive system</b></p> <ul style="list-style-type: none"> <li>Teeth</li> <li>Human teeth</li> <li>Layers of teeth</li> <li>Tooth decay experiment</li> <li>Digestive system</li> </ul> <p><b>Food Chains</b></p> <ul style="list-style-type: none"> <li>What is a food chain?</li> <li>Draw food chains</li> </ul>
<b>Y5</b>	<p><b>Forces</b></p> <ul style="list-style-type: none"> <li>Friction</li> <li>Air resistance</li> <li>Water resistance</li> <li>Gravity</li> </ul>	<p><b>Space</b></p> <ul style="list-style-type: none"> <li>Solar System</li> <li>Night and Day</li> <li>The Moon</li> </ul> <p><b>Global Warming</b></p>	<p><b>Properties of Materials</b></p> <ul style="list-style-type: none"> <li>Magnetic, transparency and hardness</li> <li>Electrical conductivity</li> <li>Insulating heat</li> <li>Everyday materials</li> </ul> <p><b>Life cycles:</b></p> <ul style="list-style-type: none"> <li>mammals</li> <li>amphibians</li> <li>insects and bird</li> </ul>	<p><b>Reversible and Irreversible Changes</b></p> <ul style="list-style-type: none"> <li>dissolving</li> <li>separate materials</li> <li>evaporating</li> <li>reversible changes</li> <li>irreversible changes</li> </ul> <p><b>Plastic Pollution:</b></p> <ul style="list-style-type: none"> <li>What is plastic pollution?</li> </ul>	<p><b>Reproduction:</b></p> <ul style="list-style-type: none"> <li>mammals</li> <li>plants</li> <li>pollination</li> <li>asexual plants</li> <li>planting and plant cloning plants</li> </ul>	<p><b>Animals including Humans</b></p> <ul style="list-style-type: none"> <li>Human life cycle</li> <li>Children</li> <li>Puberty</li> <li>Adults</li> <li>gestation</li> </ul> <p><b>Reproduction:</b></p> <ul style="list-style-type: none"> <li>findings of clone plants and interpret data</li> </ul>



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Y6	<b>Living things and their habitats</b> <ul style="list-style-type: none"><li>• conditions for life</li><li>• group organisms</li><li>• classify animals</li><li>• classify plants</li><li>• microorganisms</li><li>• Carl Linnaeus</li></ul>	<b>Electricity</b> <ul style="list-style-type: none"><li>• Construct and draw series circuit using symbols</li><li>• Complete and incomplete circuits</li><li>• Variations within circuits</li><li>• Voltage experiment</li></ul> <b>Renewable energy</b> <ul style="list-style-type: none"><li>• What is renewable energy?</li></ul>	<b>Light</b> <ul style="list-style-type: none"><li>• How we see</li><li>• Light and straight lines</li><li>• Shadow formation</li><li>• Shadow experiment</li><li>• Refraction</li></ul> <b>Light pollution</b> <ul style="list-style-type: none"><li>• Light pollution</li></ul>	<b>The Circulatory System</b> <ul style="list-style-type: none"><li>• The circulatory system</li><li>• Blood</li><li>• The heart</li><li>• Blood flow in the heart</li><li>• Oxygenated and deoxygenated blood</li><li>• Dissection of the heart</li></ul> <b>Diet, drugs and lifestyle</b> <ul style="list-style-type: none"><li>• Diet</li><li>• Drugs and cigarettes</li><li>• Heart rate experiment</li></ul>	<b>Variation</b> <ul style="list-style-type: none"><li>• Variation</li><li>• Inheritance and characteristics</li></ul> <b>Adaption</b> <ul style="list-style-type: none"><li>• Animal and Plant adaptations</li><li>• Evolution and Charles Darwin</li><li>• Natural selection</li><li>• Darwin finches</li></ul>	<b>Fossils</b> <ul style="list-style-type: none"><li>• Fossil formation</li><li>• Explore fossils</li><li>• Mary Anning</li></ul> <b>Year 7 themed projects (optional)</b> <ul style="list-style-type: none"><li>• Melting points</li><li>• Thermal conductivity</li></ul>
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