

# Year 5 – Summer Curriculum Overview

*'Each and Every Child' ... EXCELLENCE - TRUST - WISDOM - FRIENDSHIP - ENDURANCE*

Science	History	Geography
<p><b>Unit: Living Things and their Habitats</b></p> <ul style="list-style-type: none"> <li>Describe differences in the life cycle of an amphibian, bird, insect and mammal</li> <li>Describe the process of sexual &amp; asexual reproduction in plants.</li> </ul> <p><b>Unit: Animals including Humans</b></p> <ul style="list-style-type: none"> <li>Describe stages within the growth and development of humans</li> <li>Explain changes that occur to humans during puberty</li> <li>Compare gestation periods between humans and other animals</li> </ul>	<p><b>Unit: Changing Britain</b></p> <ul style="list-style-type: none"> <li>Know the terms 'civil rights' and 'discrimination'</li> <li>Know reasons why the Bristol Bus Boycott took place.</li> <li>Know what caused the Grunwick Factory workers to strike.</li> <li>Know how people protested against Section 28.</li> <li>Know why the Wheelchair warriors fought for their rights.</li> </ul>	<p><b>Unit: Energy and Sustainability</b></p> <ul style="list-style-type: none"> <li>Know what sustainability is</li> <li>Know what fossil fuels are.</li> <li>Know examples of renewable and non-renewable energy sources.</li> <li>Know how some cities are tackling sustainability.</li> </ul>
Computing	Art and DT	Religious Education
<p><b>Unit: Vector Drawings and Selection in Quizzes</b></p> <ul style="list-style-type: none"> <li>Know that an image comprises of separate objects</li> <li>Know that objects are layered and that vector images can be coloured without impact on quality</li> <li>Know that a condition can only be true or false</li> <li>Know that a count controlled loop contains conditions</li> <li>Know a condition controlled loop with a count controlled loop and explain that a condition controlled loop will only stop when a condition is met and create a condition controlled loop using: <ul style="list-style-type: none"> <li>-an 'if...then..' statement to start an action.</li> <li>-an 'if...then...else...' statement to produce given outcomes.</li> </ul> </li> <li>Know that selection can be used to branch the flow of a program and use selection to switch the program flow in one of two ways.</li> <li>Know that a loop can be used to repeatedly check whether a condition has been met.</li> </ul>	<p><b>Art Unit: Architecture (Drawing and Mixed Media)</b></p> <ul style="list-style-type: none"> <li>Know what technical drawings are and know that H pencils are best for this type of drawing.</li> <li>Identify how to organise facial proportions and demonstrate improved accuracy when drawing</li> <li>Know that when painting from observation, they must consistently look at the subject to gauge accurate shape, form, tone and proportion</li> <li>Understand that architects and other artists have a responsibility towards society and can help shape the world for the better.</li> <li>Know how to use a combination of materials, construction methods and tools to create a 3D Cityscape</li> </ul> <p><b>DT Unit: Frame Structures Design:</b></p> <ul style="list-style-type: none"> <li>Know what innovative means and generate, develop and model innovative ideas, through discussion, prototypes and annotated sketches.</li> <li>Know the purpose of research.</li> </ul>	<p><b>Unit: Significant Women</b></p> <ul style="list-style-type: none"> <li>Know the stories of significant women in the Old Testament and world faiths</li> <li>Know the Jewish Festival of Purim celebrates how God used Esther to save his people.</li> <li>Know that being a person of faith isn't always easy.</li> </ul> <p><b>Unit: Endings and Beginnings</b></p> <ul style="list-style-type: none"> <li>Know that Christians believe that through the death and resurrection of Jesus they have the promise of eternal life with God in heaven.</li> <li>Know Christians believe that when you die your spirit goes to be with God in heaven.</li> <li>Know World religions share a range of beliefs about death</li> </ul>

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## **Make**

- Know how to strengthen, stiffen and reinforce 3-D frameworks.
- Know how to use a junior hack saw, g clamp and bench hook to accurately cut wood.
- Know how to join 2 pieces of wood e.g. with wood glue, PVA glue, glue gun, hammers and nails
- Know how triangulation strengthens structures.

## **Evaluate**

- Identify how well a product meets its design purpose
- Identify how a product has been made
- Know the purpose of testing their product.
- Test their product against the original design criteria and with the intended user.
- Know how to gather the views of others.
- Know how to identify strengths and areas for improvement.
- Evaluate the ongoing work and the final product with reference to the design criteria and the views of others.
- Continually evaluate and modify the working features of the product to match the initial design specification.
- Test the system to demonstrate its effectiveness for the intended user and purpose.
- Know how key events and individuals in design and technology have helped shape the world