

# Year 3 – Spring Curriculum Overview

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

Science	History	Geography
<p><b>Unit: Rocks and Soils</b></p> <ul style="list-style-type: none"> <li>Describe differences in the appearance and properties of different rocks</li> <li>Explain the process of fossilisation</li> <li>Describe how soil is made from rocks and organic matter, with these factors producing different types of soil</li> </ul> <p><b>Unit: Animals inc Humans</b></p> <ul style="list-style-type: none"> <li>Know that animals &amp; humans get nutrition from the food they eat</li> <li>Know the importance of a balanced diet for health &amp; survival</li> <li>Know that skeletons and muscles within different animals aid support, movement and protection</li> </ul>	<p><b>Unit: Early Civilisations - Shang Dynasty</b></p> <ul style="list-style-type: none"> <li>Know how the Shang Dynasty began</li> <li>Know who Fu Hao was and explain how we know about her</li> <li>Know how the Shang Dynasty ended</li> <li>Know how the Shang Dynasty created and used chinese writing</li> <li>Explain what life was like for people of the Shang Dynasty</li> </ul>	<p><b>Unit: Mountains, Volcanoes and Earthquakes</b></p> <ul style="list-style-type: none"> <li>Know the structure of Earth: inner core, outer core, mantle, crust</li> <li>Know how tectonic plates create fold mountains and/or earthquakes</li> <li>Give examples of the impact of an earthquake and/or volcanic eruption</li> </ul>
Computing	Art and DT	Religious Education
<p><b>Unit: Sequence in Music and Branching Databases</b></p> <ul style="list-style-type: none"> <li>Know that a program starts because of an input.</li> <li>Know what a sequence is and a program includes sequences of commands and that this is the process.</li> <li>Know that the order of commands can affect a program's output.</li> <li>Know that different sequences can achieve the same output and different outputs.</li> <li>Know questions with yes/no answers and data that can be collected to answer questions.</li> <li>Know an attribute to separate objects into similar sized groups.</li> <li>Know how to use two levels of branching databases using AND.</li> <li>Know the information shown in a pictogram with a branching database.</li> </ul>	<p><b>Art Unit: Chinese Lanterns</b></p> <p><b>By the end of this unit pupils will know that :</b></p> <ul style="list-style-type: none"> <li>Know that H pencils are hard and will produce light marks</li> <li>Know that B pencils are soft and will produce darker tones – best</li> <li>used for tonal drawings and shading.</li> <li>Know that directional shading can influence a shape's 3D appearance.</li> <li>The application of tone shows a clear contrast between dark, mid and</li> <li>light.</li> <li>Using shading, their objects can begin to possess form.</li> <li>Directional, and contour shading aids this.</li> <li>The blending of tones is smooth without clear intervals of contrast</li> <li>Plan, refine and alter their drawings as necessary.</li> </ul>	<p><b>Unit: Changemakers</b></p> <ul style="list-style-type: none"> <li>that Christians believe Jesus has/had the power to change people's lives.</li> <li>that making changes is not always an easy path</li> <li>that the teachings of significant leaders in religions are key to followers and their beliefs</li> </ul> <p><b>Unit: Easter</b></p> <ul style="list-style-type: none"> <li>that the events of Holy Week reveal what Jesus came to earth to do.</li> <li>that the events of Palm Sunday, Holy week and Easter are a combined mixture of the emotions of joy and sadness.</li> <li>the different ways in which the church remembers and marks the events of Holy Week.</li> </ul>

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## **DT Unit: Textiles**

- Know how to securely join two pieces of fabric together.
- Know what a seam allowance is. Know how to do running stitch and whip stitch.
- Know the need for patterns and seam allowances.
- Know what a pattern piece is and use them in the making of the final product.
- Know different ways to fasten e.g. button and button hole, velcro and zip.