

Year 5 - Pine – Autumn Curriculum Overview

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

Science	History	Geography
<p>Unit: Electricity</p> <ul style="list-style-type: none"> • Know that each component in a circuit can be represented by a recognised symbol • Know the difference between series and parallel circuits • Know that mains electricity is generated by power stations and provides energy for many home appliances • Know the difference between renewable and non-renewable energy <p>Unit: Evolution</p> <ul style="list-style-type: none"> • Know that there are different reasons why variation occurs between species and that they can sometimes be advantageous • Know that natural selection occurs when advantageous traits are passed on to the next generation and that this can lead to the evolution of a whole species • Know that homo sapiens originated from many parts of Africa • Know that fossils provide evidence of evolution • Know some key scientists who contributed to the development of evolutionary biology 	<p>Unit: Industrial Revolution</p> <ul style="list-style-type: none"> • Know about the class system in Victorian society • Know why many people moved to cities during the Industrial Revolution. • Know what working and living conditions were like during the Industrial Revolution. • Know some problems with the voting system in the early 1800s. • Know key changes in cities before and after the Industrial Revolution 	<p>Unit: Population</p> <ul style="list-style-type: none"> • Know how to gather information about world population density • Know reasons why population can change over time • Know an example of a population challenge, such as an ageing population and food insecurity • know how to compare population graphs
Computing	Art and DT	Religious Education
<p>Unit: Web Creation</p> <ul style="list-style-type: none"> • Know the relationship between HTML and visual display. • Know that web pages can contain different media types • Know components of a web page layout and apply this to their work by <ul style="list-style-type: none"> -create blank web page -add text to a webpage -altering style of text -embed media -add web pages -insert hyperlinks • Know how to review the ownership and use of images (copyright) • Know the need for a navigation path 	<p>Art Unit: Lino Printing</p> <p>By the end of this unit pupils will know that :</p> <ul style="list-style-type: none"> • Know that tone can affect the mood of an artwork. Dark = melancholy. • Know the effect of light on a shape/form from different directions. • Know that tone can affect the ability to create form. • Describe and use a range of techniques in their work and say why they have chosen them. (e.g. Directional brush strokes, stippling to create textured effects, dry brush technique to add detail, watercolour bleeds to show clouds etc.) 	<p>Unit: Life as a Journey</p> <ul style="list-style-type: none"> • that pilgrimage is a special journey made by people of faith. • that the life journey of people in the Bible influences the behaviour and choices of Christians today. • That many people of faith make a journey, especially a long one, to some sacred place as an act of religious devotion • I can discuss key information about pilgrimages from world faiths <p>6.2 Advent</p>

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<p>Communication</p> <p>Know why search engines exist and how they create indexes and compare results from different search engines</p> <p>Know how search results are selected and explain that search terms need to be carefully chosen</p> <p>Know the role of web crawlers</p> <p>Know that ranking narrows down the search results returned from the index and that search results are ordered (ranking).</p> <p>Know limitations of search engines.</p>	<ul style="list-style-type: none">• Know that flat and oval -shaped end brushes work well for blending and creating soft - rounded edges like flower petals. Similar to a rounded tip.• Know that Fan flat brushes have hairs that spread. They are good for smoothing, blending and feathering. They are effective for textural effects, such as for clouds and leaves on trees. Explain why they have chosen specific painting techniques.• Name the tools needed to create a lino print. <p>DT Unit: Food: Seasonal Crumble</p> <ul style="list-style-type: none">• Know how to use and select appropriate equipment and utensils to prepare and combine food.• Know how to research the origins of the ingredients needed.• Know the term seasonality and demonstrate through their ingredient choices.• Know how to adapt a recipe and measure ingredients to make a seasonal crumble.	<ul style="list-style-type: none">• Advent is a time of preparation and the season of hope.• To know the themes associated with advent (hope, love, joy and peace)• During Advent the church spends time focussing on the promise of Jesus' return (the second coming)
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