

Year 5 Long Term Plan

2021-2022

	Marvellous Machines	Where we live	Mummies, Pharaohs and Pyramids		Land use	Mayan Magic
Year 5	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Religious Education	<p>Domestic Church: Family -Ourselves During this topic, children will develop a deeper awareness of who they are and understand that we are all created in the image of God.</p> <p>Baptism/Confirmation: Belonging - Life Choices Children will learn how to show care and commitment to one another and learn about the Sacrament of Marriage.</p> <p>Advent/Christmas: Loving – Hope Children will understand that during Advent we are waiting in joyful hope for the coming of Jesus.</p>		<p>Local Church/Community: Mission – Life Choices During this topic, children will learn about the mission of the diocese and inspirational leaders.</p> <p>Eucharist: Relating - Memorial Sacrifice Children will deepen their understanding about how the Eucharist keeps the memory of Jesus’ sacrifice alive and present in a special way.</p> <p>Lent/Easter: Giving – Sacrifice Children will learn that Lent is a time of giving in preparation for the celebration of the sacrifice of Jesus.</p>		<p>Pentecost: Serving - Transformation Children will learn how they can transform their energy for the good of others.</p> <p>Reconciliation: Inter-relating - Freedom and Responsibility During this topic, children will learn how to enjoy freedom with responsibility and how rules can bring freedom.</p> <p>Universal Church: World - Stewardship During this topic, children will learn the importance of caring for God’s creation – the Earth.</p>	
English (texts and objectives)	Main text: Cogheart	Main text: A world of cities	Main text: Secrets of a sun king	Main text: Secrets of a sun king	Main text: Cosmic	Main text: Middle world
Maths	<p>Number and Place Value Read, write and order numbers up to 100,000. Addition and Subtraction Add and subtract numbers mentally and using the formal written method. Shape Identify the properties of 3D shapes and translate shapes on a grid. Multiplication and Division</p>		<p>Number and Place Value Read, write and order numbers up to 1,000,000. Addition and Subtraction Use the formal written method and use rounding to check our answers. Shape Identify, draw and measure different angles. Multiplication and Division</p>		<p>Number and Place Value Read Roman numerals. Addition and Subtraction Answer multi-step addition and subtraction problems. Shape Identify regular and irregular polygons. Reflecting shapes on a grid.</p>	

	Multiply and divide numbers by 10, 100 and 1000 and use the formal written method.		Answer multi-step multiplication and division problems. Fractions Understanding equivalent fractions. Add and subtract fractions.		Multiplication and Division Answer multi-step multiplication and division problems.	
Science	<p>Living things and their habitats</p> <p>Describe the life processes of reproduction in some plants.</p> <p>Explain the differences in the life cycles of a mammal, an amphibian, an insect and a bird.</p> <p>Compare the life-cycles of different mammals.</p> <p>Research an English broadcaster and naturalist.</p> <p>Describe the life process of reproduction some animals.</p>	<p>Material World (Properties and change of materials)</p> <p>Reversible changes • evaporating, • filtering, • sieving, • melting • dissolving, • recognising that melting and dissolving are different processes.</p>	<p>Material World (Properties and change of materials)</p> <p>Irreversible changes • burning, • rusting • How chemists create new materials, eg Spencer Silver, who invented the glue for sticky notes or Ruth Benerito, who invented wrinkle-free cotton Insulators and conductors</p>	<p>Change</p> <p>Effects of • air resistance • water resistance • friction Effects of • levers • pulleys and simple machines on movement Galileo + Newton</p>	<p>Out of this world (Earth and Space)</p> <p>Learn how the planets in our Solar System are organised.</p> <p>Use mathematics to model the dimensions of our Solar System.</p> <p>Describe the movement of the Earth and Moon relative to the Sun in our Solar System.</p> <p>Identify scientific evidence that has been used to support a theory.</p> <p>Describe the movement of the Moon relative to the Earth.</p>	<p>Growing Up and Getting Old (Animals, including humans)</p> <p>Collect and compare data on average heights as we grow up.</p> <p>Describe some of the changes that happen as humans develop.</p> <p>Compare and analyse the gestation periods of different animals.</p> <p>Look at the changes that happen as we get older.</p>

					Use simple models to explain scientific ideas.	
History	<p>History: Industrial Revolution and factors contributing towards it.</p> <p>Ordering the events from the early history of trains and railways on a timeline.</p> <p>Understanding how child labour changed during the Industrial revolution.</p>		<p>History: Egyptians Place the Ancient Egyptians on a timeline with other ancient civilisations & British history.</p> <p>Describe the finding of Tutankhamun's tomb by Howard Carter & Lord Carnarvon.</p> <p>Study and compare the lives of some of the well-known pharaohs.</p>			<p>History: Mayans Identify where the Mayan civilization settled and locate the surrounding countries and oceans.</p> <p>Discover what foods were grown and what animals were hunted to eat.</p>
Geography		<p>Geography: UK Cities, human and physical features + mapping Use maps to locate the countries within the UK. Understanding the different countries that make up the UK. Being able to compare and contrast the different countries of the UK.</p>		<p>Geography: Physical and Human features Geography of Egypt Locate key places on a map.</p> <p>Understand the importance of the River Nile to the Ancient Egyptians</p>	<p>Geography: Construct and label a cross section of the Earth.</p> <p>Describe and identify key aspects of</p>	

				Understanding the physical and human features.	volcanoes and earthquakes. Discuss the effects of a volcanic eruption and an earthquake.	
Art	Art focus: Artist Study William Morris To understand the concept of perspective To explore the use of texture in colour To explore the effect of light on objects and people from different directions		To design and make Egyptian art. To design and make Egyptian jewellery including a crown for a pharaoh. To recreate hieroglyphics on fabric. To design our own cartouche.		Making a papier Mache solar system. Understanding the links to Science.	
Design and Technology		To create Cityscapes of different cities. To create 3D Pictures.				Making Mayan pyramids.
Computing	We are Game Developers	We are Cryptographers	We are Artists	We are Web Developers	We are Vloggers	We are Architects
Music	Charanga Livin' on a prayer Classroom Jazz		Charanga Studying influential musicians of the last century.		Ukulele lessons Learning how to play the instrument. Reading music Keeping to a beat. Understanding rhythm.	

P.E.	Games + Dance	Games+ Dance	Fitness + Dance	Fitness + Dance	Athletics + Dance	Athletics, Striking and fielding + Dance
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