



SUBJECT	AUTUMN TERM	SRPING TERM	SUMMER TERM		
<b>Maths</b>	Place Value Addition and Subtraction Multiplication and Division Fractions	Fractions Decimals and Percentages Perimeter, Area and Volume Statistics	Shape Position and Direction Decimals Negative numbers Converting units		
<b>Literacy</b>	<b><u>Writing genres:</u></b> Poetry- Rhyme Place value of punctuation and grammar Biography: Black History Month Narrative: Book based on diversity Instructions: Linked to history Christmas Narrative: 25 degrees 5 minutes	<b><u>Writing genres:</u></b> Narrative: Setting descriptions Report writing: Lucy Bronze Author Study: International Women's Day Explanation Texts: How does the human body develop to old age?	<b><u>Writing genres:</u></b> Persuasive Texts: protecting coastlines Narrative: Tales from other cultures Letter: Aspiration week- To aspirational person Poetry: Beauty of our world		
<b>RE</b>	OURSELVES - Created in the image and likeness of God. LIFE CHOICES - Marriage, commitment and service. JUDAISM – Passover HOPE - Advent: waiting in the joyful hope for Jesus, the promised one	MISSION - Continuing Jesus' mission in diocese (ecumenism). ISLAM - Ramadan and Pilgrimage. MEMORIAL SACRIFICE - Eucharist as the living memorial of Christ's sacrifice. SACRIFICE - Lent: a time of aligning with the sacrifice made by Jesus.	TRANSFORMATION - Celebration of the Spirit's transforming power. FREEDOM & RESPONSIBILITY Commandments enable Christians to be free & responsible. STEWARDSHIP - The Church is called to the stewardship of Creation.		
<b>Science</b>	<p><b><u>Properties and changes of materials</u></b></p> <p>Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and</p>	<p><b><u>Space</u></b></p> <p>Describe the movement of the Earth and other planets relative to the sun in the solar system</p> <p>Describe the movement of the moon relative to the Earth</p> <p>Describe the sun, Earth</p>	<p><b><u>Animals including humans</u></b></p> <p>Describe the changes as humans develop to old age</p>	<p><b><u>Forces</u></b></p> <p>Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object</p> <p>Identify the effects of air resistance, water</p>	<p><b><u>Living things</u></b></p> <p>Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird</p> <p>Describe the life process of reproduction in some plants and animals</p>

	<p>response to magnets Know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic Demonstrate that dissolving, mixing and changes of state are reversible changes Explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda</p>	<p>and moon as approximately spherical bodies Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky</p>		<p>resistance and friction, that act between moving surfaces Recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect</p>	
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<b>Geography</b>	<p><b>Climate from around the world</b></p> <ul style="list-style-type: none"> <li>-Understanding climate and the equator</li> <li>- Climate zones around the world <ul style="list-style-type: none"> <li>- Hot deserts</li> <li>-Temperate climates</li> <li>- Cold environments</li> </ul> </li> </ul>	<p><b>Energy</b></p> <ul style="list-style-type: none"> <li>- Why do we need energy?</li> <li>Non – renewable – what’s the problem?</li> <li>Renewable energy – looking to the future</li> <li>Conserving energy</li> </ul>	<p><b>Coasts</b></p> <ul style="list-style-type: none"> <li>The NE coast</li> <li>Famous coastlines</li> <li>Erosion on the coast</li> <li>The disappearing coast</li> </ul>	
<b>History</b>	<p><b>Ancient Greece</b></p> <ul style="list-style-type: none"> <li>-Who were the Ancient Greeks</li> <li>-Ways to run a country <ul style="list-style-type: none"> <li>-Gods and beliefs</li> <li>-The first Olympics</li> <li>-The Greek alphabet</li> <li>-Thinkers and inventors</li> <li>-Alexander the Great</li> </ul> </li> <li>-Assessment: What impact have the Ancient Greeks had?</li> </ul>	<p><b>Anglo Saxons and Scots</b></p> <ul style="list-style-type: none"> <li>-How did Saxon England begin?</li> <li>-What happened during this period? <ul style="list-style-type: none"> <li>-What was life like?</li> <li>-Significant Saxons</li> </ul> </li> <li>-Comparing daily life to Roman Britain</li> <li>-Assessment: Who was the most significant Saxon?</li> </ul>	<p><b>Journeys: Migration</b></p> <ul style="list-style-type: none"> <li>-What is migration?</li> <li>-What has pushed migrants to come to Britain?</li> <li>-What has pulled migrants to come to Britain?</li> <li>-Why did the Romans, Saxons and Vikings invade Britain?</li> <li>-What were the experiences of migrants in Britain?</li> <li>-What was the impact of migration on Britain?</li> <li>-Assessment: Is migration good or bad for Britain?</li> </ul>	
<b>Art &amp; Design</b>	<p>Typography and maps</p>	<p>Making Monotypes</p>	<p>Architecture: Dream big or small?</p>	
<b>Design &amp; Technology</b>	<p><b>Structures – Bridge Building project</b></p> <ul style="list-style-type: none"> <li>•Forces – compression, tension, torsion, shear</li> <li>•How to reinforce structures –</li> </ul>	<p><b>Food - seasonality</b></p> <ul style="list-style-type: none"> <li>• What is seasonality?</li> <li>• Food and origins</li> <li>• Farming and processing</li> </ul>	<p><b>Mechanisms – Mechanical Toy design</b></p> <ul style="list-style-type: none"> <li>• Gears – types of gears and simple gear trains</li> <li>• Design brief and product analysis</li> </ul>	

	triangulation and types of bridges. •Initial ideas of bridges •Make bridges in team Testing!		• Where does our food come from . Making Activity		• Skills – modelling use of cams and gears • Design ideas • Making Making							
<b>PSHE/RSE</b>	Family and Relationships Being Safe		Citizenship Economic Wellbeing		Physical health & mental wellbeing Careers and aspirations							
<b>Computing</b>	<b><u>COMPUTING SYSTEMS AND NETWORKS</u></b>  Systems and sensing  <b><u>INFORMATION TECHNOLOGY</u></b>  Word/pages  Online Relationships (PSHE)	Privacy and Security Self-Image and identity (PSHE)	<b><u>CODING and COMPUTATIONAL THINKING</u></b>  Coding  Online reputation Online Bullying (PSHE)	Managing online information Copyright and ownership (PSHE)	<b><u>INFORMATION TECHNOLOGY</u></b>  Blogging  <b><u>CODING and COMPUTATIONAL THINKING</u></b>  Binary  Health, wellbeing and lifestyle (PSHE)							
<b>Music</b>		<b>Christmas</b>		<b>Charanga</b>		<b>Charanga</b>						
<b>PE</b>	<b>Invasion:</b> Netball	<b>Gymnastics:</b> Counter Balance and Counter Tension	<b>Invasion:</b> Football	<b>Health Related Exercise</b>	<b>Invasion:</b> Tag Rugby	<b>Dance:</b> The Circus	<b>Invasion:</b> Hockey	<b>OAA:</b> Communication	<b>Striking &amp; Fielding:</b> Rounders or cricket	<b>Net / Wall:</b> Tennis (Newcastle Foundation)	<b>Swimming</b>	<b>Athletics (Newcastle foundation)</b>