



**Castleside Primary School**  
**Long Term Planning 2021/22**  
**Y4: Mrs Lillie and Miss Barrass**

Year 4	Autumn 1 – 7 weeks Autumn 2 – 7 weeks	Spring 1 – 7 weeks Spring 2 – 6 weeks	Summer 1 – 5 weeks Summer 2 – 7 weeks
<b>Science</b>	<p><b>Animals including humans</b></p> <ul style="list-style-type: none"> <li>• Human digestive system and its functions</li> <li>• Teeth and their functions</li> <li>• Food chains</li> </ul> <p><b>Sound</b></p> <ul style="list-style-type: none"> <li>• How sound is made</li> <li>• How sound travels</li> <li>• Correlation between volume and strength of vibration</li> </ul>	<p><b>Electricity</b></p> <ul style="list-style-type: none"> <li>• Construct a simple electrical circuit</li> <li>• Understand a range of components</li> <li>• Draw a circuit diagram</li> </ul>	<p><b>Living things and their habitats</b></p> <ul style="list-style-type: none"> <li>• Group living things in different ways</li> <li>• Use and create classification keys</li> <li>• Understand threats to environment could endanger living things</li> </ul> <p><b>States of matter</b></p> <ul style="list-style-type: none"> <li>• Group materials according to states of matter</li> <li>• Observe how some materials can change state</li> <li>• The water cycle</li> </ul>
<b>Geography</b>	<p><b>Tectonic plates, volcanoes and earthquakes</b></p> <ul style="list-style-type: none"> <li>• Structure of the earth</li> <li>• Structure of a volcano</li> <li>• Understand how earthquakes occur and the Richter scale</li> </ul>	<p><b>Climate and weather</b></p> <ul style="list-style-type: none"> <li>• Biomes of the world</li> <li>• Polar, temperate, sub-tropical and tropical regions</li> <li>• Flooding</li> </ul>	<p><b>Waterways of the UK</b></p> <ul style="list-style-type: none"> <li>• Coastlines and tides</li> <li>• Oceans of the world</li> <li>• UK Rivers and settlements</li> <li>• Erosion</li> <li>• The Lake District</li> </ul>



<p><b>History</b></p>	<p><b>Romans in Britain – The Roman Army</b></p> <ul style="list-style-type: none"> <li>• What made the Roman army successful conquerors?</li> <li>• What was life like in a Roman fort? <i>Enhanced by trip to Vindolanda</i></li> <li>• What was the purpose of Hadrian’s wall?</li> <li>• Why did the Romans march through Durham?</li> </ul>	<p><b>Britain’s settlement by Anglo-Saxons and Scots</b></p> <ul style="list-style-type: none"> <li>• Why did the Romans leave Britain?</li> <li>• Where did Anglo-Saxons and Scots come from?</li> </ul>	<p><b>Local History Study – Steel</b></p> <ul style="list-style-type: none"> <li>• The history of steel</li> <li>• The rise and fall of the steel industry in Britain</li> <li>• Consett Steelworks</li> </ul>
<p><b>Art</b></p>	<p><b>Collage - Roman Mosaics</b></p> <ul style="list-style-type: none"> <li>• Select materials for effect</li> <li>• Use coiling, tessellation, mosaic, overlapping and montage</li> </ul>	<p><b>Drawing - Observational drawing</b></p> <ul style="list-style-type: none"> <li>• Drawing techniques</li> <li>• Light, shadow and shading</li> </ul>	<p><b>Textiles</b></p> <ul style="list-style-type: none"> <li>• Shape and stitch materials</li> <li>• Cross stitch and back stitch</li> <li>• Colour fabric</li> </ul>
<p><b>Design &amp; Technology</b></p>	<p><b>Mechanical Systems - Levers and Linkages</b></p> <ul style="list-style-type: none"> <li>• Design and make a puppets using levers and linkages</li> </ul>	<p><b>Electrical Systems - Simple circuits</b></p> <ul style="list-style-type: none"> <li>• Design and make a light up box with a simple circuit</li> </ul>	<p><b>Food - Healthy and varied diet</b></p> <ul style="list-style-type: none"> <li>• Design and make a healthy sandwich</li> </ul>
<p><b>P.E</b></p>	<p>Tuesday – yoga / gymnastics Wednesday - Multi skills (Games) / Fundamentals</p>	<p>Tuesday - Ball skills / Dance Wednesday – Handball / Fitness</p>	<p>Tuesday – Cricket / Athletics Wednesday – Netball / OAA</p>
<p><b>RE</b></p>	<ul style="list-style-type: none"> <li>• How does religious faith affect people’s lives?</li> <li>• How and why is Advent important to Christians?</li> </ul>	<ul style="list-style-type: none"> <li>• What can we learn about Christian symbols and beliefs by visiting churches?</li> <li>• What do Christians remember on Palm Sunday?</li> </ul>	<ul style="list-style-type: none"> <li>• What do Hindus believe and how does this affect the way they live their lives?</li> <li>• How do Hindus worship?</li> </ul>
<p><b>Music</b></p>	<p><b>Singing, listening, composing &amp; performing</b></p> <ul style="list-style-type: none"> <li>• Music linked with R.E and Romans topic – composing and performing 5 note melodies</li> </ul>	<p><b>Listening, singing &amp; composing</b></p> <ul style="list-style-type: none"> <li>• Key composers in the Classical period</li> <li>• Exploring sound colours, scales and simple chords</li> </ul>	<p><b>Singing, Improvising, improvising &amp; performing</b></p> <ul style="list-style-type: none"> <li>• Indian music</li> <li>• Big Sing</li> <li>• Whole class recorder tuition</li> </ul>



	<ul style="list-style-type: none"> <li>• Listening and responding to Christmas music</li> </ul>		
<b>Computing</b>	<p><b>Computer Science</b></p> <ul style="list-style-type: none"> <li>• Computational thinking</li> <li>• Coding and programming</li> <li>• Computer Networks</li> </ul> <p><b>Information Technology</b></p> <ul style="list-style-type: none"> <li>• Word processing/Typing</li> <li>• Animation</li> <li>• Sound</li> </ul>	<p><b>Computer Science</b></p> <ul style="list-style-type: none"> <li>• Computational thinking</li> <li>• Coding and programming</li> </ul> <p><b>Information Technology</b></p> <ul style="list-style-type: none"> <li>• Data handling</li> <li>• Augmented reality and virtual reality</li> </ul>	<p><b>Computer Science</b></p> <ul style="list-style-type: none"> <li>• Computational thinking</li> <li>• Coding and programming</li> </ul> <p><b>Information Technology</b></p> <ul style="list-style-type: none"> <li>• Presentation, web-design and e-books</li> <li>• Video Creation</li> <li>• Photography and digital imagery</li> </ul>
<b>MFL: French</b>	Travel and Weather	Opinions / healthy food and drink	Les quatre amis (the four friends) / describing animals
<b>Educational visits</b>	Vindolanda & The Roman Army Museum	Visit to two local churches	Big Sing – Sage Gateshead Visit to a Hindu temple