

## Year 8 Curriculum – Autumn Term



Subject	Topic	Suggested Enrichment Opportunities
<b>English</b>	<p><u>Prose Study – Animal Farm</u> We begin our exploration of the theme of power through this novel to see how power is taken and used whilst beginning to investigate how the writer has built the text to create meaning.</p> <p><u>War</u> We then explore the theme of power through various writers’ views on war. Explore ways to engage audiences with language, tone and structure when writing imaginatively to explore and entertain.</p>	<p><a href="#">Animal Farm</a> <a href="#">Analysing Non Fiction</a> Research the October Revolution, look at the politics at the time and carry out additional reading into the context - he was inspired by the 1917 Russian Revolution.</p> <p>Research what a fable <i>is</i> <a href="#">here</a>.</p>
<b>Maths</b>	<p><u>Autumn 1</u> Equations, Inequalities and Graphs</p> <ul style="list-style-type: none"> <li>• Forming and solving equations</li> <li>• Representing and solving inequalities</li> <li>• Linear graphs and parallel lines</li> </ul> <p><u>Autumn 2</u> Estimating</p> <ul style="list-style-type: none"> <li>• Rounding</li> <li>• Estimation</li> <li>• Bounds</li> </ul>	<p><a href="#">How long is a piece of string?</a></p> <p><a href="#">Equations Mystery</a></p> <p><a href="#">Approximations and Sensible Answers</a></p>
<b>Science</b>	<p><b>Intro to Science - Science in the Media</b> Students are taught to pay attention to objectivity and concern for accuracy, precision, repeatability and reproducibility. They understand that scientific methods and theories develop as earlier explanations are modified to take account of new evidence and ideas, together with the importance of publishing results and peer review.</p> <p><b>Genetics and Evolution</b> Students build on their knowledge of variation from year 7 as a way to help organisms survive in difficult environments. Students then learn about how they inherit characteristics from parents through genetic material, and</p>	<p><a href="#">Working Scientifically</a></p> <p><a href="#">Inheritance and Genetics</a></p> <p><a href="#">Earth Structure</a></p> <p><a href="#">Rock Cycle</a></p> <p><a href="#">Light Waves</a></p>

	<p>how mutations can occur. Students look at how organisms that exist today have evolved, and how scientists are trying to prevent further species from becoming extinct.</p> <p><b>Earth Structure and Rock Cycle</b> Students will further their understanding of the structure and composition of the Earth. They will look at the formation and classification of Igneous, Metamorphic and Sedimentary rocks. They will look at how biological, physical and chemical weathering and erosion contribute to the rock cycle. There will be cross links to Geography and the work completed there.</p> <p><b>Sound and Light</b> With Sound waves students will learn about Frequencies of sound waves, measured in hertz (Hz); echoes, reflection and absorption of sound. They will learn that sound needs a medium to travel and the speed of sound in air, in water, in solids. Students will learn about the similarities and differences between light waves and waves in matter. Light waves travelling through a vacuum; speed of light. The transmission of light through materials: absorption, diffuse scattering and specular reflection at a surface.</p>	<p><a href="#">Sound Waves</a></p>
<p><b>History</b></p>	<p><u>Stuart England and Revolution</u> Students will be able to understand the causes and consequences of revolutions in Britain, Europe and the wider world 1509-1800.</p>	<p><a href="#">Stuart England – BBC bitesize</a></p> <p><a href="#">Civil War and Revolution</a></p>
<p><b>Geography</b></p>	<p><u>Autumn 1</u> Climate Change Students will consider the causes and consequences of climate change at different scales.</p> <p><u>Autumn 2</u> Glaciation and Polar Regions Students will be able to understand how ice shapes our landscapes. Explore the impacts of climate change on polar regions.</p>	<p><a href="#">Climate Change</a></p> <p><a href="#">Glacial Landscapes in the UK</a></p>
<p><b>Spanish</b></p>	<p><u>Autumn 1</u> My holidays</p> <ul style="list-style-type: none"> <li>• Countries</li> <li>• Transport</li> <li>• Holiday Activities</li> <li>• Talking in the past tense.</li> <li>• Giving opinions of a holiday.</li> </ul> <p><u>Autumn 2</u> Technology and Entertainment</p>	<p><a href="#">Unit: Year 8 Unit 3   KS3 Spanish   Oak National Academy (thenational.academy)</a></p>

	<ul style="list-style-type: none"> <li>• Opinions on music</li> <li>• What you use your phone for</li> <li>• TV Programmes</li> <li>• Comparing TV programmes</li> <li>• Giving varied and detailed opinions.</li> </ul>	
<b>RE</b>	<p><u>What do world religions believe?</u>  Pupils will study the main world religions. For each religion pupils will study origins, key beliefs and practices. The world religion topic that we start with gives students the basics for each of the six world religions, additionally, this allows students to judge their own beliefs and considerer questions that they won't have before.</p> <p>The six world religions we focus on are Christianity, Judaism, Islam, Hinduism, Sikhism and Buddhism.</p>	<a href="#">Virtual Tour of Religious Sites</a>
<b>PSHE</b>	<p><u>Autumn 1</u>  Drugs and substances</p> <ul style="list-style-type: none"> <li>• Legal drugs and their effects</li> <li>• Caffeine, alcohol and nicotine</li> <li>• Illegal drugs and their effects, range of class AC drugs.</li> </ul> <p><u>Autumn 2</u>  Discrimination and prejudice</p> <ul style="list-style-type: none"> <li>• The difference between discrimination and prejudice</li> <li>• The effects of discrimination</li> <li>• The Fundamental British Values.</li> </ul>	<a href="#">DSM Foundation</a>  <a href="#">Talk to Frank</a>
<b>IT</b>	<p><u>Autumn 1</u>  <i>Computational Thinking</i>  Before computers can be used to solve a problem, the problem itself and the ways in which it could be resolved must be understood. Computational thinking techniques help with these tasks. Pupils will be taught the four key techniques (cornerstones) to computational thinking:</p> <ul style="list-style-type: none"> <li>• Decomposition</li> <li>• Pattern Recognition</li> <li>• Abstraction</li> <li>• Algorithms</li> </ul> <p><u>Autumn 2</u>  <i>Graphic Skills</i></p>	<a href="#">Computational thinking</a>  <a href="#">Graphics Skills</a>

	<ul style="list-style-type: none"> <li>• Create and edit graphics, using graphics editing software, tools and techniques.</li> <li>• Understand the use of different file formats when editing and creating graphics.</li> <li>• Understand the difference between vector images and bitmap images.</li> </ul>	
<b>PE</b>	<p>The sporting activities below are on a rotation and so students will cover each topic during a block of time between Autumn 1 and the end of spring 2:</p> <ul style="list-style-type: none"> <li>• Rugby/football</li> <li>• Netball</li> <li>• Gymnastics</li> <li>• Health Related fitness</li> <li>• Tennis</li> </ul>	<a href="#">The FA</a> <a href="#">England Rugby</a> <a href="#">British Gymnastics</a> <a href="#">LTA Tennis</a> <a href="#">BBC Sport</a>
<b>Performing Arts</b>	<p><u>Autumn 1</u>  CORE 1: Skills Teacher Led  Students expand their knowledge of skills and techniques, beginning to combine these together to create a piece of Dance.</p> <p><u>Autumn 2</u>  CORE 1: Skills- Pantomime  Students expand their knowledge of skills and techniques, beginning to combine these together to create a piece of Drama</p>	<a href="#">Choreography</a>  <a href="#">The History of Pantomime</a>
<b>Music</b>	<p><u>Autumn 1 Unit 7 – Developing as a Musician</u>  Develop your understanding of the voice and how to successfully execute an acapella vocal performance in an ensemble context</p> <p><u>Autumn 2 - Unit 8 - Rhythm</u>  Be able to recognise different note lengths, names and values</p>	<a href="#">The Voices Foundation</a>  <a href="#">Virtual Sing</a>  <a href="#">Samba</a>  <a href="#">Play Samba</a>
<b>Art and Design</b>	<p><u>Autumn 1 - The formal elements through experimental drawing from observation</u>  Students will understand the structural composition of natural objects through observational studies and how 2-dimensional forms can be made to appear 3-dimensional using shading and perspective and can link this to the Key Concept of Structure.</p> <p><u>Autumn 2 - Application of media and acquisition of techniques</u></p>	

	<p>Students will understand the properties, performance and technical application of a wide range of mark making techniques and media that can add to the illusion of 3- dimensionality to a 2- dimensional drawing and can link this to the Key Concepts of Structure and Performance.</p>	
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