

Class 11/Year 6 - Curriculum Information Autumn 2018

Subject	Curriculum Content – Class 11/Year 6
<p>English</p>	<p>Autumn 1 & 2 - Classic Literature and plays</p> <p>Macbeth – William Shakespeare</p> <ul style="list-style-type: none"> - Use drama to develop confidence and speaking skills - Characterisation - Investigate how character’s change throughout a text - Develop planning, drafting and editing skills - Discuss and evaluate how authors use language - Poetry - Continued SPAG development
<p>Maths</p>	<p>Number and place value</p> <ul style="list-style-type: none"> - Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit - Round any whole number to a required degree of accuracy - Use negative numbers in context, and calculate intervals across zero - Solve number and practical problems that involve all of the above <p>Calculation – addition, subtraction, multiplication and division</p> <ul style="list-style-type: none"> - Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication - Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context - Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy. - Perform mental calculations, including with mixed operations and large numbers - Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why <p>Fractions (including decimals and percentages)</p> <ul style="list-style-type: none"> - Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions - Multiply simple pairs of proper fractions, writing the answer in its simplest form eg $\frac{1}{2} \times \frac{1}{4} = \frac{1}{8}$ - Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360°] and the use of percentages for comparison - Identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places - Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts. <p>Measurement</p> <ul style="list-style-type: none"> - Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit and vice versa, using decimal notation to up to three decimal places - Recognise when it is possible to use formulae for area and volume <p>Geometry - properties of shapes</p> <ul style="list-style-type: none"> - Draw 2-D shapes using given dimensions and angles - Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons

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Science	<p>The Human Body</p> <ul style="list-style-type: none"> - That the life processes common to humans and other animals include nutrition movement, growth and reproduction. - About the need for food for activity and growth, and about the importance of an adequate and varied diet for health. - About the need for a balanced diet containing carbohydrate, proteins, fats, minerals, vitamins, fibre and water and about foods that are sources of these. - The principles of digestion, including the role of enzymes in breaking down large molecules into smaller ones. - That the heart acts as a pump to circulate the blood through vessels around the body, including through the lungs. - About the effect of exercise and rest on pulse rate. - That humans and some other animals have skeletons and muscles to support and protect their bodies and help them to move. - The principle of antagonistic muscle pairs. - The role of lung structure in gas exchange, including the effect of smoking - To summarise respiration as a word equation - About the effects on the human body of tobacco, alcohol and other drugs, and how these relate to their personal health. - About the importance of exercise for good health.
Art	<p>The Figure</p> <ul style="list-style-type: none"> - Exploring line, shape, tone, form - Drawing from the figure - Henry Moore/Giacometti - Niki de St Phalle/Matisse - Sculpture from the figure using modroc, wire, chicken wire - Visiting Artist: James Ort - Henry Moore Foundation
Humanities History	<p>Victorian Britain</p> <ul style="list-style-type: none"> - Research Queen Victoria and her family - What was life like for a poor child in the 1840s? - Who helped to improve the lives of Victorian children? - What was it like going to school in the nineteenth century? - How did different Victorian children use their spare time? - How did life change for children living in Victorian Britain? - review topic material to produce an overview of change and continuity that occurred during the Victorian period <p><i>Objectives:</i></p> <ul style="list-style-type: none"> - Picture reading images of Queen Victoria and her family - Consider a broad range of primary source material to investigate the lives of working children in early Victorian times - Ask the children what they think needed to be done for Victorian children - Research and discuss the work of social reformers such as Lord Shaftesbury and Dr Barnardo - Show pictures and read accounts of school life at the end of the nineteenth century to compare and contrast school then and now - Use different sources to investigate Victorian leisure and pleasure

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Humanities Geography	<p>Mountain Environments</p> <ul style="list-style-type: none"> - Learn about the different aspect of physical and human geography in mountain environments - Understand the difference between a mountain range and a mountain chain and locate main examples on a world map. - Learn the process by which mountains are formed. - Learn about the features of a glaciated valley. - Learn how mountain valleys and waterfalls are formed by glaciation. <p><i>Objectives:</i></p> <ul style="list-style-type: none"> - Discuss children’s own experiences of mountain environments - Role-play formation of mountain ranges and mountain chains - Mapwork to locate mountain ranges/chains - Draw diagrams e.g. glaciated valley - Research using text and images
D&T	<p>Alternative Energy (Wind Power)</p> <p>To learn about the generation of electricity and the alternatives to using fossil fuels. To learn about gearing. (Links with Humanities)</p>
Music	<p>Blues and Jazz</p> <p>Class 11 will be studying blues and jazz. They will listen to and discuss various versions of a jazz/blues standard and will use this as the basis for their own ensemble exploration of the style, looking at the various roles of the different instruments in a jazz group, the use of swing rhythms and the role of improvisation.</p>
CTS	<p>Making movies</p> <p>Children will explore story boards and how to use single or dual cameras to record a piece and how this is edited both for interest and for authenticity. Using iMovies, children will learn from scratch how videos are conceived, prepared, shot (in any order) and then finally put into a Rushes Bin (library) for later use.</p> <p>This year’s topic will be a POP video. They may use the original song or if they have the skills, a karaoke version or a full cover version.</p> <p>Continue Internet Safety looking at bullying and British Values.</p> <p>How fast is the Internet - we will examine how information travels at speed, in packets, through the Internet and is re-assembled at the other end to make our information intact and useable. We will also explore how telephone lines differ from packet switching lines as a method of improving transmission of information and circumnavigation of problems or breakages.</p>
PE & Games	<p>PE – 1st half term: Gymnastics Flight and developing vaulting</p> <p>PE 2nd half term: Health Related Fitness Evaluating fitness and understanding how different methods can improve different areas of fitness. What is a training program?</p> <p>Games – Girls: Hockey Refine decision making skills in both attacking and defending. Develop interlinking play, defending positions, shooting and attacking play. Set plays such as short corner routines, including the attacking and defending of them. Goalkeepers to take a more prominent role.</p> <p>Games – Boys: Rugby The children will be expected to accomplish more advanced skills. These will need to be applied correctly, consistently and with control in practice and match situations.</p>

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Trips and/or Visitors Special Events	

MILTON KEYNES PREPARATORY SCHOOL



**CLASS 11
CURRICULUM BOOKLET**