

Class 10/Year 5 - Curriculum Information Spring 2019

Subject	Curriculum Content - Class 10/Year 5
<p>English</p>	<p>Greek Myths and Legends</p> <p>Percy Jackson and the Lightning Thief</p> <ul style="list-style-type: none"> - Group reading - Create a character using text stimulus - Persuasive writing - Comprehension skills - Research and note taking - Poetry writing - Retell a Greek myth
<p>Maths</p>	<p>Children will be given opportunities to extend their understanding of the number system and place value to include larger integers. This should develop the connections that they make between multiplication and division with fractions, decimals, percentages and ratio. They will develop their ability to solve a wider range of problems, including increasingly complex properties of numbers and arithmetic, and problems demanding efficient written and mental methods of calculation. With this foundation in arithmetic, they will be introduced to the language of algebra as a means for solving a variety of problems.</p> <p>Areas studied will include Number and Place Value, The four operations with Whole Number and Decimals, Fractions, Measurement, Geometry and Statistics.</p>
<p>Science</p>	<p>Electricity</p> <ul style="list-style-type: none"> - To use simple equipment and materials appropriately and take action to control risks. - To make systematic use observations and measurements, including the use of ICT for data logging. - To construct circuits, incorporating a battery or power supply and a range of switches, to make electrical devices work [for example, buzzers, motors]. - How changing the number or type of components [for example, batteries, bulbs, wires] in a series circuit can make bulbs brighter or dimmer. - How to represent series circuits by drawings and conventional symbols, and how to construct series circuits on the basis of drawings and diagrams using conventional symbols. - How to design and construct series and parallel circuits. - How electromagnets are constructed and used in devices. <p>The Microscope & Cells</p> <ul style="list-style-type: none"> - How to use a microscope. - How to make a slide for viewing under a microscope. - Structure of simple plant and animal cells. Similarities and differences.
<p>Art</p>	<p>Portraits</p> <ul style="list-style-type: none"> - Exploring line, tone, form. - Investigation of approaches to portraiture. - Matisse/ Rembrandt/Picasso. - Self-portrait in pencil/ Hockney David Hockney Portraits Royal Academy. - Famous portraits. - Family portraits. - Abstract Portraits/Cubist portraits. - Chuck Close. - Portrait workshop Stowe House.

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Humanities	<p>History <u>The Tudors, Everyday Life</u></p> <ul style="list-style-type: none"> - Study Tudor inventories, looking at the original documents and transcripts. - Learn about Tudor housing, health and hygiene. - Picture reading: Tudor food and celebrations - Learn the differences in the food eaten by rich and poor Tudors. Find out about Tudor etiquette. - Understand life at the court of Henry VIII and how he entertained to impress visitors. - Learn about Tudor occupations and education. <p>Geography <u>Kenya: A Developing Country</u></p> <ul style="list-style-type: none"> - Consider the physical and human geography of Kenya. - Compare UK & Kenya climate. - Tourism: popular tourist activities and their impact (footprints) on Kenya. - Wildlife and habitat conservation in Kenya. - Consider inequality and how it impacts on lives re- water, food, education & opportunity. - Why people in Kenya move from the countryside to live in towns. Life in a shanty town.
D&T	<p>Electrical Systems</p> <p>To make a torch for a specific purpose and design a suitable switch (Reinforcing Science Electricity topic)</p>
Music	<p>Cat & Mouse Games</p> <p>Class 10 will learn how to develop their rehearsal and performance skills. Pupils will sing and play a two-part song, play instrumental accompaniments and develop their musical and performance ideas during rehearsals. They will also experiment and use different recording techniques to capture their performances. Pupils will discuss and evaluate the impact of music technology on their work.</p>
CTS	<p>Children will learn that computers only possess a very limited vocabulary. The alphabet every computer in the world understands is binary code, a sequence of 1's and 0's. Therefore, having a basic understanding of what binary code is and how it works helps us understand how our computer works on the inside. Children will learn the basics of converting decimal numbers (denary numbers) in to binary and vice-versa. They will also learn about the ASCII table and understand its use and purpose. They will learn how to add binary numbers as well. Binary is the backbone of what is happening in the computer all the time.</p>
PE & Games	<p>PE – 1st half term:</p> <p>Basketball - Refine passing and catching skills. Dribbling control with alternate hands. Man to man marking. Static shooting and introducing lay ups. Game play with an increased number of rules.</p> <p>PE 2nd half term:</p> <p>Badminton - Forehand and backhand grips. Basic service, forehand overhead clear, smash, singles and doubles game play. Scoring and basic rules of match play.</p> <p>Games – Girls:</p> <p>Netball - Passing, catching, footwork, goal shooting, offensive and defensive strategies and positional play.</p> <p>Games – Boys:</p> <p>Football - Areas of control, lofting the ball, formations of play. Decision making in small sided games and full match play.</p>

Subject	Curriculum Content - Class 10/Year 5
Trips and/or Visitors Special Events	Half Term: Monday 18 th February, play scheme classes 3-11 for those who have booked. World Book Day: Thursday 7 th March Book Fair: Thursday 7 th & Friday 8 th March

MILTON KEYNES PREPARATORY SCHOOL



**CLASS 10
CURRICULUM BOOKLET**