



CLASS 10 (YEAR 5) CURRICULUM INFORMATION

AUTUMN 2020

Subject	Curriculum Content
<p>English</p>	<p>Autumn 2 - Historical Texts and Classic Literature</p> <p>Narrative Poetry - The Highwayman</p> <ul style="list-style-type: none"> - Group reading, drama, visual images and discussion of “The Highwayman’ - Develop characterisation through drama and diary style writing - Develop planning, drafting and editing skills - Complete a ‘Lost Verse’ in the style of Alfred Noyes - Research Highway men <p>Autumn 1 – Historical Texts and Classic Literature</p> <p>Treasure Island - Robert Louis Stevenson</p> <ul style="list-style-type: none"> - Narrative descriptions - Character descriptions - Writing in role diary entry - Developing planning and editing skills - Produce an extra chapter based on the adventure story
<p>Maths</p>	<p>Autumn 1 and 2</p> <p>Place Value and Key Maths Vocabulary</p> <ul style="list-style-type: none"> - Place Value investigation, number and place value lessons, rounding to nearest max hundred thousand, and to 1 or 2 decimal places. - Understand the method and effect of multiplying and dividing by 10, 100, 1000. - Identify multiples and factors, including finding all factor pairs of a number, and understand definitions and how to find, prime numbers, square numbers, cube numbers - Understand the use of <, > and = in a variety of contexts <p>Calculation – Four operations</p> <ul style="list-style-type: none"> - Addition and subtraction of whole numbers and decimals, including those requiring multiple instances of borrowing and carrying - Be able to multiply a large number (2-5 digits) by a single digit number (short multiplication), and multiply two, 2 digit numbers together in a consistent method (long multiplication) - Divide large numbers by a single digit number (short division), showing remainders as fractions, decimals or remainders - Divide numbers up to 4 digits by a two-digit whole number using a formal written method and interpret remainders as whole number remainders, fractions, or decimals to 2 decimal places maximum (when required) - Solve problems involving all four operations, including problems involving multiple steps - Have a basic understanding of the rule of BIDMAS, apply this in a variety of calculations - Have knowledge of the different methods required for calculating the four operations with decimals, including using estimation to check answer



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<p>Maths</p>	<p>Negative Numbers</p> <ul style="list-style-type: none"> - Have an understanding of the rules of negative numbers, in a variety of contexts - Calculations involving a mixture of positive and negative numbers (4 rules of negatives) <p>Fractions</p> <ul style="list-style-type: none"> - Compare and order fractions whose denominators are all multiples of the same number, simplify fractions fully - Add, subtract, multiply and divide vulgar fractions - Convert between mixed and improper fractions - Add and subtract mixed numbers
<p>Science</p>	<p>Changing Materials</p> <ul style="list-style-type: none"> - Soluble and insoluble substances - Dissolving - Making a saturated solution - How to speed up dissolving - Growing crystals - Irreversible changes <ul style="list-style-type: none"> Burning Bicarbonate of soda + vinegar Milk + vinegar <p>Light</p> <ul style="list-style-type: none"> - Light sources - Transparent/translucent/opaque - The structure of the eye and how we see - Reflection - plane and curved surfaces - Refraction
<p>Art</p>	<p>Autumn 1 and 2</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



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<p>Humanities History</p>	<p>Autumn 1 and 2</p> <p>Why did Henry VIII marry six times?</p> <ul style="list-style-type: none"> - Research Henry VII and the Wars of the Roses. - What was Henry VIII like as a person? - What did Henry do all day? - Why did Henry divorce Catherine of Aragon? - Did marrying Anne Boleyn or Jane Seymour solve Henry's problems? - Why did the marriage to Ann of Cleves fail? - Why did Henry marry Catherine Howard and Catherine Parr? <p><i>Objectives:</i></p> <ul style="list-style-type: none"> - Use a variety of source material to discuss if Richard III really was a bad man and king - Consider the different ways in which Henry VII secured his kingdom - Use written and visual sources to find out what Henry VIII looked like and how he wished to be seen - Children to rank Henry's reasons for divorcing Catherine of Aragon in order of importance - Research the consequences of Henry's divorce - Reformation and dissolution of the monasteries - Discuss reasons for royal marriages
<p>Humanities Geography</p>	<p>Autumn 1 and 2</p> <p>Oceans</p> <p>Name and locate the world's oceans Where does water come from? The submarine landscape What causes ocean currents? What causes tides? Exploration and discovery of the oceans Modern oceanography How do we benefit from the ocean? How can we protect the ocean?</p> <p><i>Objectives:</i></p> <ul style="list-style-type: none"> - Using an atlas and following written instructions to locate oceans and continents - Study the water cycle - Discuss children's own experiences of oceans/look at photographs/dvd - Role-play to reinforce understanding of processes e.g. <i>Convection/tides</i> - Research/make notes on early exploration and discovery of oceans - Discuss and research issues relating to endangered oceans
<p>D&T</p>	<p>Autumn 1 and 2</p> <p>Pneumatic Systems</p> <p>To demonstrate that air can be used to do work. To show that levers can modify movement</p>



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<p>CTS</p>	<p>Autumn 1 Organising yourself - To use cloud-based technology - effective use of an online learning platform. Effective use of the learning platform: organise, store and retrieve digital content that is created and manipulated. create folders, sub-folders and understand the importance of attributing appropriate file names to documents created storing, editing and sharing documents collaborative online tasks To gain awareness of the advantages and disadvantages of using the cloud and all cloud-based technology.</p> <p>Autumn 2 Hardware & Software - Know how a computer works and some key components of a computer system, Know that computers need software to work and to interact with other hardware and Know how a computer processes data. Binary code and how data is converted into binary. Understand that a computer system comprises input, process, memory and output. Understand there are many different types of software / applications and understand the role they play in our lives.</p>
<p>PE & Games</p>	<p>Autumn 1 PE: Gymnastics Group gymnastics, using apparatus or sequences</p> <p>Games: Cricket <i>Boys</i> Batting, bowling and fielding with a hard ball. Striking off the front foot as a batter, pitching the ball up as a bowler and stopping, catching and throwing more consistently when fielding. Use of the bowling machine and furthering understanding of pairs and the full game. <i>Girls</i> Developing decisions in different game situations. When to attack and defend as a batter, where to bowl and different types of fielding. Use of the bowling machine with soft balls. Pairs cricket as the focus game.</p> <p>Autumn 2 PE: Health Related Fitness Evaluating fitness and understanding various types of training. What is the difference between endurance and power?</p>



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French	<p>Autumn 1</p> <p>Time Days and months of the year Count from 11-31 Say their own birthday</p> <p>Autumn 2</p> <p>All around town Name major cities in France Name places in town Say multiples of ten Ask and give address in French Locate the correct part of a bilingual dictionary to translate from French-English or vice-versa Transport Follow simple directions to find a place on a map</p>