

Class 10/Year 5 - Curriculum Information Autumn 2018

Subject	Curriculum Content - Class 10/Year 5
English	<p>Autumn 1 - 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 2 – 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
Maths	<p>Calculation – addition and subtraction</p> <ul style="list-style-type: none"> - Number and place value - Add and subtract whole numbers with more than 4 digits, including using formal written methods - Add and subtract numbers mentally with increasingly large numbers - Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy - Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why <p>Calculation – multiplication and division</p> <ul style="list-style-type: none"> - Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers - Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers - Establish whether a number up to 100 is prime and recall prime numbers up to 19 - Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000 - Multiply multi-digit numbers up to 4 digits by a two-digit whole number using a formal written method - 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 by rounding, as appropriate for the context - Solve problems involving multiplication and division <p>Fractions</p> <ul style="list-style-type: none"> - Compare and order fractions whose denominators are all multiples of the same number - Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths - Identify the value of each digit to three decimal - Places and multiply and divide numbers by 10, 100 and 1000 where the answers are up to three decimal places <p>Ratio and Proportion</p> <ul style="list-style-type: none"> - Solve problems involving unequal sharing and grouping using - Knowledge of fractions and multiples

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Science	<p>Inheritance and Evolution</p> <ul style="list-style-type: none"> - That characteristics are passed from parents to their offspring, for instance by considering different breeds of dogs, and what happens when, for example, labradors are crossed with poodles. - That living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents - That variation in offspring over time can make animals more or less able to survive in particular environments, for example, by exploring how giraffes' necks got longer, or the development of insulating fur on the arctic fox. - How animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution - About different plants and animals found in different habitats - How animals and plants in two different habitats are suited to their environment - That living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago - About the work of palaeontologists such as Mary Anning and about how Charles Darwin and Alfred Wallace developed their ideas on evolution.
Art	<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 History	<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
Humanities Geography	<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
D&T	<p>Pneumatic Systems</p> <p>To demonstrate that air can be used to do work. To show that levers can modify movement</p>
Music	<p>Class 10 will be studying songwriting. They will look at the various elements involved in creating a song; lyrics, melody, harmony, mood, structure, purpose and intended audience. Working in groups, they will compose their own protest and Christmas songs.</p>
CTS	<p>Logical problem solving - preparation for the BEBRAS worldwide challenge and in-depth decomposition of problems. Forks in programming - IF something, do a thing, or ELSE, do something else and why this is important (for instance, when someone inserts an in-correct PIN number on an ATM).</p> <p>POP art, using Julian Opie as a guide to developing very simple artistic work, in conjunction with the Art department. Children will create an image using electronics and another, using paper and pens, paint etc.</p> <p>Start to develop presentational skills using Keynote.</p>

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PE & Games	<p>PE – 1st half term: Gymnastics Group gymnastics, using apparatus or sequences PE 2nd half term: Health Related Fitness Evaluating fitness and understanding various types of training. What is the difference between endurance and power?</p> <p>Games – Girls: Hockey Making decisions in various situations. Develop close stick skills, power and accuracy of passes, attacking and defending play. Set plays such as short corner routines and more emphasis on goalkeeping.</p> <p>Games – Boys: Rugby Learning more advanced skills and consolidate previously learned techniques such as tackling. Further understanding of these skills in game play.</p>
Trips and/or Visitors Special Events	

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