

Year 6 Spring Term Overview

Topic:	Spring: Inventors		
SMSC	Courage and Forgiveness		
PSHE and RSE:	Living in the wider world		
	Belonging to a community Valuing diversity; challenging discrimination and stereotypes	Media literacy and digital resilience Evaluating media sources; sharing things online	Money and work Influences and attitudes to money; money and financial risks
English: 	<u>Macbeth/ Romeo and Juliet</u> Setting descriptions, character descriptions, diaries, dialogue <u>The Invention of Hugo Cabret - Biographies</u> Diaries, journalistic writing, flashback narratives, speeches, discussions, letters, film critiques <u>The Templeton Twins have an idea - Own version adventure narratives</u> Character analysis, opposing diary entries, informal letters, own chapters		
Maths:	Algebra Can I use simple formulae? Can I generate and describe linear number sequences? Can I express missing number problems algebraically? Can I find pairs of numbers that satisfy an equation with two unknowns? Can I enumerate possibilities of combinations of two variables? Ratio Can I solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts? Can I solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison? Can I solve problems involving similar shapes where the scale factor is known or can be found? Can I solve problems involving unequal sharing and grouping using knowledge of fractions and multiples?	Fractions Can I use common factors to simplify fractions? Can I use common multiples to express fractions in the same denomination? Can I compare and order fractions, including fractions greater than 1? Can I add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions? Can I multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$]? Can I divide proper fractions by whole numbers [for example, $\frac{1}{3} \div 2 = \frac{1}{6}$]? Can I associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, $\frac{3}{8}$]? Decimals and Percentages Can I 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? Can I multiply one-digit numbers with up to two decimal places by whole numbers? Can I use written division methods in cases where the answer has up to two decimal places? Can I solve problems which require answers to be rounded to specified degrees of accuracy? Can I recall and use equivalences between simple fractions, decimals and percentages, including in different contexts?	

Maths cont....		Measurement: Perimeter, Area and Volume Can I recognise that shapes with the same areas can have different perimeters and vice versa? Can I recognise when it is possible to use formulae for area and volume of shapes? Can I calculate the area of parallelograms and triangles? Can I calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm ³) and cubic metres (m ³), and extending to other units [for example, mm ³ and km ³]? Statistics Can I interpret and construct pie charts and line graphs and use these to solve problems? Can I calculate and interpret the mean as an average?
Science:	Living things and their habitats - describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including microorganisms, plants and animals - give reasons for classifying plants and animals based on specific characteristics.	
History:	Develop research questions to guide research. Use different sources of research to find out about Ancient Greece. Identify how the past influences the present.	
Geography:	Geographical Skills and Fieldwork - Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied. - Use the 8 points of a compass, 4- and 6-figure grid references, symbols and key (including the use of Ordnance Survey maps) to build their knowledge of the United Kingdom and the wider world.	
DT:	Food - Come dine with me	Mechanical systems - Automata toys
Computing:	Programming A – Variables in games To define a 'variable' as something that is changeable. To explain why a variable is used in a program. To choose how to improve a game by using variables. To design a project that builds on a given example. To use my design to create a project. To evaluate my project.	Data and information – Spreadsheets To identify questions which can be answered using data. To explain that objects can be described using data. To explain that formulas can be used to produce calculated data. To apply formulas to data, including duplicating. To create a spreadsheet to plan an event. To choose suitable ways to present data.
Music:	Charanga Unit: A New Year Carol Macbeth – Witches Brew Composition	Charanga Unit: You've got a friend
Art:	Greek Pots Castleton	
PE:	Gymnastics Dance - Theseus and the Minotaur	Gymnastics Games – Lacrosse
RE:	LIVING - What matters most to Christians and Humanists?	LIVING - What difference does it make?
Spanish:	(Language Angels) Irregular Verbs	(Language Angels) World War 2 or Planets