



Year 4 Long Term Objective Plan 2016-17



Objectives covered through-out the year

Science-

Sc5/1 Working Scientifically

Sc5/1.1 planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary

Sc5/1.2 taking measurements, using a range of scientific equipment, with increasing accuracy and precision

Sc5/1.3 recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, and bar and line graphs

Sc5/1.4 using test results to make predictions to set up further comparative and fair tests

Sc5/1.5 reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of results, in oral and written forms such as displays and other presentations

Sc5/1.6 identifying scientific evidence that has been used to support or refute ideas or arguments.

Autumn 1 Bright Sparks Global Dimension	Spring 1 Water, Water, Everywhere Community and Sustainability	Summer 1 Who lives in a habitat like this? Enterprise
<p>Sc4/4.2 Electricity</p> <p>Sc4/4.2a identify common appliances that run on electricity</p> <p>Sc4/4.2b construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers</p> <p>Sc4/4.2c identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery</p> <p>Sc4/4.2d recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit</p> <p>Sc4/4.2e recognise some common conductors and insulators, and associate metals with being good conductors</p>	<p>Sc4/3.1 States of Matter</p> <p>Sc4/3.1a compare and group materials together, according to whether they are solids, liquids or gases</p> <p>Sc4/3.1b observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C)</p> <p>Sc4/3.1c identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.</p> <p>Ge2/1.4a use maps, atlases, globes and</p>	<p>Sc4/2.1 All Living Things</p> <p>Sc4/2.1a recognise that living things can be grouped in a variety of ways</p> <p>Sc4/2.1b explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment</p> <p>Sc4/2.1c recognise that environments can change and that this can sometimes pose dangers to living things.</p> <p>Co2/1.5 use search technologies effectively, appreciate how results are selected</p>



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<p>Hi2/1.3 Anglo-Saxons & Scots Pupils should be taught about Britain's settlement by Anglo-Saxons and Scots</p> <p>Hi2/1.4 Anglo-Saxons & Vikings Pupils should be taught about the Viking and Anglo-Saxon struggle for the Kingdom of England to the time of Edward the Confessor</p> <p>DT2/1.4c understand and use electrical systems in their products</p>	<p>digital/computer mapping to locate countries and describe features studied</p> <p>Ge2/1.4b 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</p> <p>Ge2/1.4c use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs, and digital technologies</p> <p>Ge2/1.1b name and locate counties and cities of the United Kingdom, geographical regions and their identifying human and physical characteristics, key topographical features (including hills, mountains, coasts and rivers), and land-use patterns; and understand how some of these aspects have changed over time</p> <p>Ge2/1.3a describe and understand key aspects of physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle</p> <p>DT2/2.1a understand and apply the principles of a healthy and varied diet</p> <p>DT2/2.1b cook a repertoire of predominantly savoury dishes so that they are able to feed themselves and others a healthy and varied diet</p> <p>DT2/2.1c understand the source, seasonality and characteristics of a broad range of ingredients</p>	<p>and ranked, and be discerning in evaluating digital content</p> <p>Co2/1.6 select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.</p> <p>Co2/1.7 use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact</p>
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	<p>Mu2/1.1 play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression</p> <p>Mu2/1.2 improvise and compose music for a range of purposes using the interrelated dimensions of music</p> <p>Mu2/1.3 listen with attention to detail and recall sounds with increasing aural memory</p> <p>Mu2/1.4 use and understand staff and other musical notations</p>	<p>LOVE to LEARN</p>
<p style="text-align: center;">Autumn 2 Doctor, Doctor! The World of Work</p> <p>Sc4/2.2 Animals including humans Sc4/2.2a describe the simple functions of the basic parts of the digestive system in humans Sc4/2.2b identify the different types of teeth in humans and their simple functions Sc4/2.2c construct and interpret a variety of food chains, identifying producers, predators and prey.</p> <p>Co2/1.1 design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts Co2/1.2 use sequence, selection, and repetition in programs; work with variables and various forms of input and output Co2/1.3 use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and</p>	<p style="text-align: center;">Spring 2 Year 4 Presents.....themselves! Performance</p> <p>Sc4/4.1 Sound Sc4/4.1a identify how sounds are made, associating some of them with something vibrating Sc4/4.1b recognise that vibrations from sounds travel through a medium to the ear Sc4/4.1c find patterns between the pitch of a sound and features of the object that produced it Sc4/4.1d find patterns between the volume of a sound and the strength of the vibrations that produced it. Sc4/4.1e recognise that sounds get fainter as the distance from the sound source increases</p> <p>Ar2/1.1 to create sketch books to record their observations and use them to review and revisit ideas Ar2/1.2 to improve their mastery of art and design techniques, including drawing,</p>	<p style="text-align: center;">Summer 2 Ancient Greece Leadership</p> <p>Hi2/2.4 Ancient Greece</p> <p>Pupils should be taught a study of Greek life and achievements and their influence on the western world</p> <p>DT2/1.2 Make DT2/1.2a select from and use a wider range of tools and equipment to perform practical tasks accurately DT2/1.2b select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities</p>



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programs

Mu2/1.1 play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression
Mu2/1.2 improvise and compose music for a range of purposes using the interrelated dimensions of music
Mu2/1.3 listen with attention to detail and recall sounds with increasing aural memory
Mu2/1.5 appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians

painting and sculpture with a range of materials

Ar2/1.3 about great artists, architects and designers in history.

Mu2/1.5 appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians
Mu2/1.6 develop an understanding of the history of music.