



Year Six

Programmes of Study

Monitoring and Assessment

Coverage

As each skill/objective is taught within a subject unit (key objective), they must be highlighted to show coverage. Different colours will be used to represent each term.

Key:

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| Autumn | Blue |
| Spring | Green |
| Summer | Orange |

Assessment

At the end of each unit, teachers must highlight the key objective (*Overall title at the top of the unit, which encompasses all of the skills/objectives covered and is written in bold*), to show the following:

Green – 85% or above have achieved skills/objectives

Orange – 65-84%

Red – below 65%

Teachers must also record the names of children who are working above or below age-related in the left hand box.

Any children that are working above or below, should be taught the appropriate skills/objectives (i.e. teachers must plan from a range of year group programmes of study), and referenced within weekly planning.

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| | | <p>technique.</p> <ul style="list-style-type: none"> My paintings are based on observations and can convey realism or an impression of what I observe. |
| | Appreciate artists who inspire and influence us | <ul style="list-style-type: none"> About great artists, architects and designers. |
| Collage Working above: | Create & Communicate | <ul style="list-style-type: none"> To create sketch books to record our observations and use them to review and revisit ideas. |
| | Using techniques to create effect | <ul style="list-style-type: none"> To experiment with techniques that use contrasting textures, colours or patterns. (rough/smooth, light/dark, plain/patterned) To have experimented with ceramic mosaic techniques to produce a piece of art. My work reflects a purpose, which I write about in my art sketchbook. My collage is based on observational drawings. My collage reflects a real purpose and I write about this in my art sketchbook. To choose the most appropriate materials for my collages to fit the purpose. My collage work has a definite theme that is apparent to any viewer. To modify and change materials to be used in my collage My collage has a striking effect because of: its colour choices, [or any of the other possibilities below]: Pattern, lines, tones, shapes, [or any combination of these]. To write about the visual and tactile qualities of my work in my sketchbook. |
| | Appreciate artists who inspire and influence us | <ul style="list-style-type: none"> About great artists, architects and designers. |
| 3D Working above: | Create & Communicate | <ul style="list-style-type: none"> To create sketch books to record our observations and use them to review and revisit ideas. |
| | Using techniques to create effect | <ul style="list-style-type: none"> To use a variety of tools and techniques for sculpting in clay, papier-mache and other mouldable materials. To use carvings to a surface to create shapes, texture and pattern. To explore paper techniques such as pop- -up books and origami To add paper curlings or other objects to a surface to embellish. My portraiture work has a life like quality gained by choosing and applying the most appropriate techniques. My models on a range of scales communicate my observations from the real or natural world. My 3D work reflects an intention that is sometimes obvious, but at |
| Working below: | | |

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| | | <p>other times is open to interpretation of the viewer.</p> <ul style="list-style-type: none"> • My 3D work contains both visual and tactile qualities. |
| | Appreciate artists who inspire and influence us | <ul style="list-style-type: none"> • About great artists, architects and designers. |
| Printing Working above: | Create & Communicate | <ul style="list-style-type: none"> • To create sketch books to record our observations and use them to review and revisit ideas. |
| | Using techniques to create effect | <ul style="list-style-type: none"> • My printing uses a number of colours built up in a sequence. • To make precise repeating patterns by creating accurate printing blocks. • My printing replicates patterns I have observed in either the natural or man-made world and are based on my observational drawings. • My print work includes printing onto fabrics, papers and other materials. • To use drawings and designs to bring fine detail into my work. • To build up colours in my prints. • My prints combine a range of visual elements to reflect a purpose. • My prints are based on a theme from other cultures. • My prints have a starting point from a designer in history. |
| | Appreciate artists who inspire and influence us | <ul style="list-style-type: none"> • About great artists, architects and designers. |
| Textiles Working above: | Create & Communicate | <ul style="list-style-type: none"> • To create sketch books to record our observations and use them to review and revisit ideas. |
| | Using techniques to create effect | <ul style="list-style-type: none"> • To have a sound understanding of how to use the techniques of sewing (cross stitch & backstitch) appliqué, embroidery, plaiting, finger knitting. • I combine some of the techniques I know to create hangings. • My textile techniques are precise and help me to convey the purpose of my work. • To have developed a preference for the type of textile work I prefer and am developing a range of pieces in a particular style, for a range of purposes. • My textile work sometimes combines visual and tactile elements, fit for purpose. • My textile work is sometimes based on historical or cultural observations. |
| | Appreciate artists who inspire and influence us | <ul style="list-style-type: none"> • About great artists, architects and designers. |
| Working below: | | |

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| Music | | <i>Music runs throughout the year. It is up to the teacher to plan out how this is to be taught progressively throughout each year group.</i> |
| Working above: Working below: | Controlling sounds through singing and playing (Performing) | <ul style="list-style-type: none"> • Sing songs in tune • Breathe well and pronounce words, change pitch and show control of singing • Perform songs with an awareness of the meaning of the words • Hold their part in a round • Be able to play and perform in solo and ensemble contexts. • Perform songs in a way that reflects their meaning and the occasion. • I can sustain a drone or melodic ostinato to accompany singing. • I can play an accompaniment on an instrument (e.g. glockenspiel, bass drum or cymbal) • I can improvise within a group. • I sing or play from memory with confidence |
| Working above: Working below: | Create and develop musical ideas (Composing) | <ul style="list-style-type: none"> • Know how to make creative use of the way sounds can be changed, organised and controlled (including ICT) • Create own songs • Create rhythmic patterns with an awareness of timbre and duration. • Create music which reflects given intensions and uses notations as a support for performance. • Identify where to place emphasis and accents in a song to create effects. |
| Working above: Working below: | Respond and reviewing (Appraising) | <ul style="list-style-type: none"> • Use a range of words to describe music (e.g. pitch, duration, dynamics, tempo, timbre, texture and silence) • Describe own music using musical words and use this to identify strengths and weaknesses in own music. |
| Working above: | Listen, understand and appreciate a | <ul style="list-style-type: none"> • Combine sounds expressively • Create songs with an understanding of the relationship between lyrics and melody. • Know and use the standard notation of crotchet, minim and semibreve and |

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| Working below: | <p>range of music.</p> <p>Apply knowledge and understanding.</p> | <p>indicate how many beats to play.</p> <ul style="list-style-type: none"> • Read the musical staff and work out the notes EGBDF and FACE. • Be able to draw a treble clef at the correct position on the staff. • Use the venue and sense of occasion to create performances that are well appreciated by the audience. • Appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians. • Develop and understand the history of music. | | |
| D&T Levels | | <p><i>D&T is taught once per term. It is up to the teacher to take these objectives/skills below and plan out what will be designed and made, in accordance with your topics, following the process below each time. Remember to ensure teaching of, application of and consolidation of skills, as well as progression from unit to unit. (Remember some more able chn will progress to the level 2 skills, which can be obtained from the Year 2 PoS.)</i></p> | | |
| Assessment / Evaluation | <p>Unit 1:.....</p> <p>Working above:</p> <p>Working below:</p> | <p>Unit 1:.....</p> <p>Working above:</p> <p>Working below:</p> | <p>Unit 1:.....</p> <p>Working above:</p> <p>Working below:</p> | |
| | <p>To know, understand and use the skills needed to design and make in a range of relevant contexts including; leisure, culture, enterprise, industry and the wider environment.</p> | | | |
| | <p><u>Design:</u></p> <ul style="list-style-type: none"> • Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose. • Generate, develop, model and communicate their ideas through discussion, annotated | | | |

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| | sketches, cross-sectional and exploded diagrams. |
| | <p><u>Make:</u></p> <ul style="list-style-type: none"> • Use a wider range of tools and equipment to perform practical tasks for example, cutting, shaping, joining and finishing], accurately. • Select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties. |
| | <p><u>Evaluate:</u></p> <ul style="list-style-type: none"> • Investigate and analyse a range of existing products. • Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work. • Understand how key events and individuals in design and technology have helped shape the world. |
| | <p><u>Technical knowledge:</u></p> <ul style="list-style-type: none"> • Apply their understanding of how to strengthen, stiffen and reinforce more complex structures. • Understand and use electrical systems in their products [for example series circuits incorporating switches, bulbs, buzzers and motors]. |
| | To know, understand and use the skills needed to design and make in a range of relevant contexts including; leisure, culture, enterprise, industry and the wider environment. |
| | <p><u>Design:</u></p> <ul style="list-style-type: none"> • Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups. • Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design. |
| | <p><u>Make:</u></p> <ul style="list-style-type: none"> • Select from and use a wider range of tools and equipment to perform practical tasks for example, cutting, shaping, joining and finishing], accurately. |

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| | <ul style="list-style-type: none"> 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><u>Evaluate:</u></p> <ul style="list-style-type: none"> Investigate and analyse a range of existing products. Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work. Understand how key events and individuals in design and technology have helped shape the world. |
| | <p><u>Technical knowledge:</u></p> <ul style="list-style-type: none"> Understand and use electrical systems in their products [for example series circuits incorporating switches, bulbs, buzzers and motors]. Apply their understanding of computing to program, monitor and control their products. |
| Geography | *Geography must be taught in order, i.e. a first, then b..., etc. |
| Year 6, a | Name and locate the key topographical features including, coast, features of erosion, hills, mountains and rivers. Understand how these features have changed over time. |
| Working above: | <ul style="list-style-type: none"> On a world map locate the main countries in Africa, Asia and Australasia/Oceania. Identify their main environmental regions, key physical and human characteristics, and major cities. Children to be able to identify main capital cities/oceans etc. Understand the significance of Latitude and longitude Use 6 figure grid references to identify countries and cities in the world, the main mountain ranges and the longest rivers. Understand how these features may have changed over time. |

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| <p>Working below:</p> | <ul style="list-style-type: none"> • Select the most appropriate map for different purposes e.g atlas to find a country, Google Earth to find a village. • Explain the climates of given countries in the world and relate this to knowledge of the hemispheres, the Equator and the Tropics. • Locate the major cities of the world and draw conclusions as to their similarities and differences. • Use maps to identify longitude and latitude. |
| <p>Year 6, b</p> | <p><u>Study of North America</u> -Environmental regions, key physical and human characteristics. Major cities, mountain ranges, rivers, lakes, landmarks.</p> |
| <p>Working above:</p> <p>Working below:</p> | <ul style="list-style-type: none"> • Use maps to identify longitude and latitude. • Study maps of the USA to identify environmental regions. Compare and contrast these regions. • Locate the key physical and human characteristics. Relate these features to the locality e.g. population sizes near tourist landmarks/rivers, transport links to mountains. • Locate all the man made features in the USA e.g. Statue of Liberty, Golden Gate Bridge, Grand Canyon, Yosemite National Park, The White House etc. and relate to UK landmarks. Reflect on the importance and value of the tourism industry in these areas |
| <p>History</p> | <p>*History must be taught in order, i.e. a first, then b... (this is to allow for progression in levels of skills. As you can see, it begins with level 2 and progresses to level 3 skills).</p> |
| <p>Year 6</p> | <p>A study of a theme in British History</p> |
| <p>Working above:</p> <p>Working below:</p> | <ul style="list-style-type: none"> • Know the dates of any significant periods in History (from this country or others) and use the correct terminology (eg, BC/AD, social religious, political, technological and cultural) when placing them on a timeline. • With guidance, choose reliable sources of evidence to describe lives in the past. Including homes, leisure activities, lifestyles, buildings, religion and beliefs, important people, differences between rich/poor lifestyles • Describe how events and developments in the past have affected life today. • When describing an event in the past, use a range of sources. Eg. Internet, databases, pictures, photographs, music, artefacts, historic buildings, visits to museums, galleries and sites. And use this information to demonstrate an understanding that there can be different versions of an event, and give clear reasons why. |

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| Year 6, b | <p>Early Civilisations achievements and an in depth study of one of the following: Ancient Sumer; The Indus Valley; Ancient Egypt; The Shang Dynasty of Ancient China</p> |
| Working above: | <ul style="list-style-type: none"> • Know the dates of any significant periods in History (from this country or others) and use the correct terminology (eg, BC/AD, social religious, political, technological and cultural) when placing them on a timeline. • With guidance, choose reliable sources of evidence to describe lives in the past. Including homes, leisure activities, lifestyles, buildings, religion and beliefs, important people, differences between rich/poor lifestyles • Describe how events and developments in the past have affected life today. • When describing an event in the past, use a range of sources. Eg. Internet, databases, pictures, photographs, music, artefacts, historic buildings, visits to museums, galleries and sites. Use this information to demonstrate an understanding that there can be different versions of an event, and give clear reasons why. |
| Working below: | <ul style="list-style-type: none"> • • Use a timeline with the following key periods as reference points for descriptions of the past: Before Christ (Ancient Civilizations such as Ancient Greeks and Egyptians or Maya etc) • Use terminology such as Social, 'religious', 'political', 'technological' and 'cultural', era, period, century, decade, Before Christ, AD, after, before, and during to describe the passing of time. • Choose reliable sources of evidence to describe lives in the past. Including homes, leisure activities, lifestyles, buildings, religion and beliefs, important people, differences between rich/poor lifestyles • Describe how some of the things I have studied from the past affect life today. • Give my own reasons why changes may have occurred, backed up by evidence I have researched, show on a time line, describe similarities and differences between some people, events and objects (artefacts) I have studied, and use this information to make links between some features of past societies (eg religion, houses, society, technology). |

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| Science | <i>*Science topics can be taught in any order.</i> |
| Year 6 | Working Scientifically |
| Working above: Working below: | <p style="text-align: center;">In Year 5 and 6</p> <ul style="list-style-type: none"> • planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary • taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate • recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs • using test results to make predictions to set up further comparative and fair tests • reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations • identifying scientific evidence that has been used to support or refute ideas or arguments. <p>Pupils in years 5 and 6 should use their science experiences to: explore ideas and raise different kinds of questions; select and plan the most appropriate type of scientific enquiry to use to answer scientific questions; recognise when and how to set up comparative and fair tests and explain which variables need to be controlled and why. They should use and develop keys and other information records to identify, classify and describe living things and materials, and identify patterns that might be found in the natural environment. They should make their own decisions about what observations to make, what measurements to use and how long to make them for, and whether to repeat them; choose the most appropriate equipment to make measurements and explain how to use it accurately. They should decide how to record data from a choice of familiar approaches; look for different causal relationships in their data and identify evidence that refutes or supports their ideas. They should use their results to identify when further tests and observations might be needed; recognise which secondary sources will be most useful to research their ideas and begin to separate opinion from fact. They should use relevant scientific language and illustrations to discuss, communicate and justify their scientific ideas and should talk about how scientific ideas have developed over time.</p> <p>These opportunities for working scientifically should be provided across years 5 and 6 so that the expectations in the programme of study can be met by the end of year 6. Pupils are not expected to cover each aspect for every area of study.</p> |

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| Year 6 | Living things and their habitats |
| Working above: | <ul style="list-style-type: none"> To describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals To give reasons for classifying plants and animals based on specific characteristics. |
| Working below: | <p>Pupils should build on their learning about grouping living things in year 4 by looking at the classification system in more detail. They should be introduced to the idea that broad groupings, such as micro-organisms, plants and animals can be subdivided. Through direct observations where possible, they should classify animals into commonly found invertebrates (such as insects, spiders, snails, worms) and vertebrates (fish, amphibians, reptiles, birds and mammals). They should discuss reasons why living things are placed in one group and not another.</p> <p>Pupils might find out about the significance of the work of scientists such as Carl Linnaeus, a pioneer of classification.</p> <p>Pupils might work scientifically by: using classification systems and keys to identify some animals and plants in the immediate environment. They could research unfamiliar animals and plants from a broad range of other habitats and decide where they belong in the classification system.</p> |
| Year 6 | Animals including humans |
| Working above: | <ul style="list-style-type: none"> To identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood To recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function To describe the ways in which nutrients and water are transported within animals, including humans. |
| Working | <p>Pupils should build on their learning from years 3 and 4 about the main body parts and internal organs (skeletal, muscular and digestive system) to explore and answer questions that help them to understand how the circulatory system enables the body</p> |

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| Year 6 | Light |
| Working above: | <ul style="list-style-type: none"> • recognise that light appears to travel in straight lines • use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye • explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes • use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them. |
| Working below: | <p>Pupils should build on the work on light in year 3, exploring the way that light behaves, including light sources, reflection and shadows. They should talk about what happens and make predictions.</p> <p>Pupils might work scientifically by: deciding where to place rear-view mirrors on cars; designing and making a periscope and using the idea that light appears to travel in straight lines to explain how it works. They might investigate the relationship between light sources, objects and shadows by using shadow puppets. They could extend their experience of light by looking a range of phenomena including rainbows, colours on soap bubbles, objects looking bent in water and coloured filters (they do not need to explain why these phenomena occur).</p> |
| Year 6 | Electricity |
| Working above: | <ul style="list-style-type: none"> • associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit • compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches • use recognised symbols when representing a simple circuit in a diagram. |
| Working below: | <p>Building on their work in year 4, pupils should construct simple series circuits, to help them to answer questions about what happens when they try different components, for example, switches, bulbs, buzzers and motors. They should learn how to represent a simple circuit in a diagram using recognised symbols.</p> <p>Note: Pupils are expected to learn only about series circuits, not parallel circuits. Pupils should be taught to take the necessary precautions for working safely with electricity.</p> |

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| | <p>Pupils might work scientifically by: systematically identifying the effect of changing one component at a time in a circuit; designing and making a set of traffic lights, a burglar alarm or some other useful circuit.</p> |
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