

Millhouse Primary School: Curriculum Planner

Subject	KS	Cycle 1	Cycle 2	Cycle 3	Cycle 4
Science (2 year cycle)	KS1	<p><i>Working scientifically:</i> Can ask simple questions and recognise that they can be answered in different ways. Can observe closely, using simple equipment. Can perform simple tests. Can identify and classify. Can use their observations and ideas to suggest answers to questions Can gather and record data to help in answering questions.</p> <p>Plants Can identify and name a variety of common wild and garden plants, including deciduous and evergreen trees Can identify and describe the basic structure of a variety of common flowering plants, including trees. Can observe and describe how seeds and bulbs grow into mature plants Can find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.</p> <p>Everyday materials Can distinguish between an object and the material from which it is made Can identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock Can describe the simple physical properties of a variety of everyday materials Can compare and group together a variety of everyday materials on the basis of their simple physical properties. Can identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses Can find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.</p> <p>Seasonal Changes Can observe changes across the four seasons Can observe and describe weather associated with the seasons and how day length varies.</p>	<p>Animals, including humans Can identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals Can identify and name a variety of common animals that are carnivores, herbivores and omnivores Can describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets) Can identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense. Can notice that animals, including humans, have offspring which grow into adults Can find out about and describe the basic needs of animals, including humans, for survival (water, food and air) Can describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.</p> <p>Living things and their habitats Can explore and compare the differences between things that are living, dead, and things that have never been alive Can identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other Can identify and name a variety of plants and animals in their habitats, including micro-habitats Can describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food.</p> <p>Seasonal Changes Can observe changes across the four seasons Can observe and describe weather associated with the seasons and how day length varies.</p>	<p>Plants Can identify and name a variety of common wild and garden plants, including deciduous and evergreen trees Can identify and describe the basic structure of a variety of common flowering plants, including trees. 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	KS2	<p><i>Working scientifically</i> Can ask relevant questions and using different types of scientific enquiries to answer them Can set up simple practical enquiries, comparative and fair tests Can make systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers Can gather, record, classify and present data in a variety of ways to help in answering questions Can record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables Can report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions Can use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions Can identify differences, similarities or changes related to simple scientific ideas and processes Can use straightforward scientific evidence to answer questions or to support their findings.</p> <p><i>Y3/4</i> Can plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary Can take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate</p> <p><i>Y5/6</i></p>			

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		<p><i>Can record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs</i></p> <p><i>Can use test results to make predictions to set up further comparative and fair tests</i></p> <p><i>Can report and present 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</i></p> <p><i>Can identify scientific evidence that has been used to support or refute ideas or arguments.</i></p>			
		<p>Plants: including parts, lifecycle and requirements for life</p> <p>Living things and their habitats: classification of living things</p> <p>Animals including humans: skeletons & nutrition</p> <p>Animals including humans: digestive system & teeth/food chains</p> <p>States of Matter: solids, liquids,gases/ heating and cooling/ water cycle</p> <p>Rocks: Classification of rock types/ simple understanding of fossilisation</p> <p>Living things and their habitats: classification,</p> <p>Living things and their habitats: life cycles/ reproduction in some plants and animals</p> <p>Animals including humans: health & lifestyles/ transportation of nutrients and water/ circulatory system</p> <p>Animals including humans: describe changes as humans develop & mature</p> <p>Evolution & Inheritance</p> <p>Properties and changes of materials: classifying materials / mixtures & solutions/ reversible and irreversible changes</p>	<p>Sound: vibrations/ pitch and volume</p> <p>Electricity: simple circuits/ switches/ conductors and insulators</p> <p>Forces and magnets: simple forces, including magnetism</p> <p>Light: sources of light; shadows & reflections</p> <p>Light: how light travels/ shadows</p> <p>Electricity: investigating circuits/ circuit diagrams</p> <p>Earth and Space: sun, earth, moon/ day and night</p> <p>Forces: gravity/ air resistance/ friction/ levers, pulleys, gears</p>	<p>Plants: including parts, lifecycle and requirements for life</p> <p>Living things and their habitats: classification of living things</p> <p>Animals including humans: skeletons & nutrition</p> <p>Animals including humans: digestive system & teeth/food chains</p> <p>States of Matter: solids, liquids,gases/ heating and cooling/ water cycle</p> <p>Rocks: Classification of rock types/ simple understanding of fossilisation</p> <p>Living things and their habitats: classification,</p> <p>Living things and their habitats: life cycles/ reproduction in some plants and animals</p> <p>Animals including humans: health & lifestyles/ transportation of nutrients and water/ circulatory system</p> <p>Animals including humans: describe changes as humans develop & mature</p> <p>Evolution & Inheritance</p> <p>Properties and changes of materials: classifying materials / mixtures & solutions/ reversible and irreversible changes</p>	<p>Sound: vibrations/ pitch and volume</p> <p>Electricity: simple circuits/ switches/ conductors and insulators</p> <p>Forces and magnets: simple forces, including magnetism</p> <p>Light: sources of light; shadows & reflections</p> <p>Light: how light travels/ shadows</p> <p>Electricity: investigating circuits/ circuit diagrams</p> <p>Earth and Space: sun, earth, moon/ day and night</p> <p>Forces: gravity/ air resistance/ friction/ levers, pulleys, gears</p>
History	KS1	<p>Changes within living memory: Transport</p> <p>Significant individuals: Amy Johnson /Wright Brothers George Stephenson</p> <p>Local history- Market town</p>	<p>Event: Great Fire of London</p> <p>Significant Individual: Samuel Pepys</p> <p>Changes within living memory: History of seaside</p>	<p>Changes within living memory: Transport</p> <p>Significant individuals: Amy Johnson /Wright Brothers George Stephenson</p> <p>Local history- Market town</p>	<p>Event: Great Fire of London</p> <p>Significant Individual: Samuel Pepys</p> <p>Changes within living memory: History of seaside</p>
	KS2	<p>Changes in Britain from the Stone Age to the Iron Age</p> <p>This could include:</p> <ul style="list-style-type: none"> - late Neolithic hunter-gatherers and early farmers, e.g. Skara Brae - Bronze Age religion, technology and travel, e.g. Stonehenge - Iron Age hill forts: tribal kingdoms, farming, art and culture – Stig of the Dump <p>Roman Empire and its impact on Britain</p> <p>This could include:</p> <ul style="list-style-type: none"> - Julius Caesar’s attempted invasion in 55-54 BC - the Roman Empire by AD 42 and the power of its army - successful invasion by Claudius and conquest, including Hadrian’s Wall - British resistance, e.g. Boudica - “Romanisation” of Britain: sites such as Caerwent and the impact of technology, culture and beliefs, including early Christianity 	<p>Britain’s settlement by Anglo-Saxons and Scots VIKING BOY</p> <p>This could include:</p> <ul style="list-style-type: none"> Roman withdrawal from Britain in c. AD 410 and the fall of the western Roman Empire Scots invasions from Ireland to north Britain (now Scotland) Anglo-Saxon invasions, settlements and kingdoms: place names and village life Anglo-Saxon art and culture Christian conversion – Canterbury, Iona and Lindisfarne Viking and Anglo-Saxon struggle for the Kingdom of England to the time of Edward the Confessor <p>This could include:</p> <ul style="list-style-type: none"> - Viking raids and invasion - resistance by Alfred the Great and Athelstan, first king of England - further Viking invasions and Danegeld - Anglo-Saxon laws and justice 	<p>A study of an aspect or theme in British history extends chronological knowledge beyond 1066/ Local history</p> <p>Childhood inc. Victorians- theme and local history</p> <p>The achievements of the earliest civilizations – an overview of where and when the first civilizations appeared and a depth study of one of the following: Ancient Sumer; The Indus Valley; Ancient Egypt; The Shang Dynasty of Ancient China</p>	<p>A non-European society - one study chosen from:</p> <ul style="list-style-type: none"> - Early Islamic civilization, c. AD 900; - Mayan civilization c. AD 900; - Benin c. AD 900-1300. <p>Ancient Greece – a study of Greek life and achievements and their influence on the western world</p>

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			- Edward the Confessor and his death in 1066		
Geography	KS1	Local area (fieldwork) Around the World in 80 days (including study of Kenya/ China (study of non-European country)	Local area – Journeys (fieldwork) Seaside – contrasting small area of UK	Local area (fieldwork) Around the World in 80 days (including study of Kenya/ China (study of non-European country)	Local area – Journeys (fieldwork) Seaside – contrasting small area of UK
	KS1 – across topics	<p>Name and locate the world’s seven continents and five oceans Name, locate and identify characteristics of the four countries and capital cities of the United Kingdom and its surrounding seas Use basic geographical vocabulary to refer to: -key physical features, including: beach, cliff, coast, forest, hill, mountain, sea, ocean, river, soil, valley, vegetation, season and weather -key human features, including: city, town, village, factory, farm, house, office, port, harbour and shop</p>			
	KS2	Volcanoes and earthquakes Settlements/ land use (link to history units) Mountains	Region in North/South America – Amazonian rainforest - Climate zones - Biomes/ vegetation belts - Fair trade (economic activity)	Rivers (link to Egypt history unit) Distribution of natural resources including energy, food, minerals and water. Trade section within rivers topic. - Water-cycle Local area Next cycle –swap the order of the last two years so as all children Map work and Local area closely linked – then all children would access at Lks2 Uks2	Region in European country (link to ancient Greek history unit) Region of UK: (Should be compared to EU and USA) - Coasts (inc. erosion) - Economic activity tourism
	KS2 – across topics	<p>Can locate the world’s countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities Can 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 Can identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones (including day and night)</p>			
Computing	KS1	See separate document			
	KS2	See separate document			
Art	KS1	<p>Pupils should be taught: to use a range of materials creatively to design and make products <input type="checkbox"/> to use drawing, painting and sculpture to develop and share their ideas, experiences and imagination <input type="checkbox"/> to develop a wide range of art and design techniques in using colour, pattern, texture line, shape, form and space <input type="checkbox"/> about the work of a range of artists, craft makers and designers, describing the differences and similarities between different practices and disciplines, and making links to their own work.</p>			
	Class 1 (Kapow units)			Drawing: Y1: Drawing: Make your mark. Painting: Y1: Mixed Media: Claris Cliff pottery. (adapted Unit) Sculpture: Y1: 3D paper play: Louise Bourgeois' 'Maman' spider sculpture (1999)	Drawing: YR: Drawing unit: using mixed media, leading to observation drawing Van Gogh. (adapt to Y1 needs) Painting: Y1: Mixed Media: Stephanie Peters. (exploring colours of fire). Craft: YR: Collage and colour focu: artist: Megan Coyle

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	Class 2 (Kapow Units)			Drawing: Y2 Tell a story. Painting: Y2: Life in Colour (adapted unit: Eric Carle) Sculpture: Y2: Clay Houses. (adapted unit: to complete pots)	Drawing: Y2 Tell a story. (adapted to include artist Jane Hissey) Painting: Y2: Life in Colour (alternative) Craft and Design Y1: Woven Wonders (adapt to seaside)
	KS2	<p>Pupils should be taught to develop their techniques, including their control and their use of materials, with creativity, experimentation and an increasing awareness of different kinds of art, craft and design.</p> <p>Pupils should be taught:</p> <ul style="list-style-type: none"> ☑ to create sketch books to record their observations and use them to review and revisit ideas ☑ to improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [for example, pencil, charcoal, paint, clay] ☑ about great artists, architects and designers in history. 			
DT (Using Kapow scheme of work)	KS1	Mechanisms- wheels and axles Textiles – puppets	Structures- windmills Food- a balanced diet	Mechanisms- wheels and axles Textiles – puppets	Structures- windmills Food- a balanced diet
		<p>Cooking: use the basic principles of a healthy and varied diet to prepare dishes</p> <ul style="list-style-type: none"> ☑ understand where food comes from. 			
	KS2	Structures – pavilion Textiles- cushions	Mechanical systems- pneumatic toys Electrical systems- posters Food- Eating seasonally	Structures – pavilion Textiles- cushions	Mechanical systems- pneumatic toys Electrical systems- posters Food- Eating seasonally
		Structures – Bridges Textiles- stuffed toys	Mechanical systems- automata toys/ moving books Electrical systems- steady hand games Food- what could be healthy?	Structures – Bridges Textiles- stuffed toys	Mechanical systems- automata toys/ moving books Electrical systems- steady hand games Food- what could be healthy?
<p>Cooking: understand and apply the principles of a healthy and varied diet</p> <ul style="list-style-type: none"> ☑ prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques ☑ understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed. 					
Music	KS1	<p>Pupils should be taught to:</p> <ul style="list-style-type: none"> ☑ use their voices expressively and creatively by singing songs and speaking chants and rhymes ☑ play tuned and untuned instruments musically ☑ listen with concentration and understanding to a range of high-quality live and recorded music ☑ experiment with, create, select and combine sounds using the inter-related dimensions of music. 			
	KS1 Music Express	EYFS: Going Places (high low) Working word: (texture) Y1: Unit 4 water – could be linked to Geography Y2: Unit 12 – travel Christmas performance	EYFS: Special People: Beat and tempo) Growth and Change (loud and quiet) Our Senses (timbre) Y1: Unit 4 - The weather Y2: Unit 10 – Travel Christmas performance	EYFS: Going Places (high low) Working word: (texture) Y1: Unit 4 water – could be linked to Geography Y2: Unit 12 – travel Christmas performance	EYFS: Special People: Beat and tempo) Growth and Change (loud and quiet) Our Senses (timbre) Y1: Unit 4 - The weather Y2: Unit 10 – Travel Christmas performance
	KS2	<p>Pupils should be taught to sing and play musically with increasing confidence and control.</p> <p>They should develop an understanding of musical composition, organising and manipulating ideas within musical structures and reproducing sounds from aural memory.</p> <p>Pupils should be taught to:</p>			

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		<p>☑ play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression</p> <p>☑ improvise and compose music for a range of purposes using the inter-related dimensions of music</p> <p>☑ listen with attention to detail and recall sounds with increasing aural memory</p> <p>☑ use and understand staff and other musical notations</p> <p>☑ appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians</p> <p>☑ develop an understanding of the history of music.</p>					
	LKS2 Music Express	Y3 Unit 6 - Time Y4 Unit 11 – In the past Summer performance	Y3 Unit 1 – Environment Y4 Unit 10 – Time Summer performance	Y3 Unit 6 - Time Y4 Unit 11 – In the past Summer performance	Y3 Unit 1 – Environment Y4 Unit 10 – Time Summer performance		
	UKS2 Music Express	Y5 Unit 5 – At the movies Y6 Unit 1 – World Unite Summer production	Recorder unit Y6 Unit 3 – Growth Summer production	Y5 Unit 5 – At the movies Y6 Unit 1 – World Unite Summer production	Recorder unit Y6 Unit 3 – Growth Summer production		
RE (Discovery RE)	KS1	Christianity Units - 1 Judaism units - 1	Christianity Units - 2 Islam units – 2	Christianity Units - 1 Judaism units - 1	Christianity Units - 2 Islam units – 2		
	LKS2	Christianity units – 3	Christianity Units – 4	Christianity units – 3	Christianity Units – 4		
	UKS2	Christianity Units – 5	Christianity Units – 6	Christianity Units – 5	Christianity Units – 6		
	All KS2	Hinduism units – 3/5	Islam units – 6	Sikhism units – 3 (can extend with 5 at UKS2)	Buddhism Units - 4		
PSHE	KS1/2	Jigsaw PSHE					
	Units	Being Me In My World	Celebrating Difference	Dreams and Goals	Healthy Me	Relationships	Changing Me
PE (Get Set PE)	KS1	Fundamentals					
	½ termly	Ball Skills – Team games Invasion	Relays - multiskills	Gymnastics	Dance	Ball Skills – Team games Striking and fielding	Athletics
	KS2	Fundamentals Invasion Games/ Gymnastics/ Dance/ Athletics/ Striking and Fielding / Swimming (Year 5)/ Outdoor and Adventurous					
	LKS2	Football	Relays - multiskills	Dance / Gymnastics	Rugby	Cricket / Rounders	Athletics
	UKS2	Football	Dance / Gymnastics	Netball	Rugby	Cricket / Rounders	Athletics
MFL	KS1						
	KS2	Kapow (from Sept 2024)					