

Larkfield Curriculum 26-27

Science	Coverage	Y1	Y1	Y1	Y1	Y1	Y1	Y1	Y1	Y2	Y2	Y2	Y2	Y2	Y2	Y2	Y2	Y3	Y3	Y3	Y3	Y3	Y3	Y3	Y4	Y4	Y4	Y4	Y4	Y4	Y5	Y5	Y5	Y5	Y5	Y6	Y6	Y6	Y6	Y6	
Working scientifically	KS1 15 P. of Study Ask simple questions and recognise that they can be answered in different ways.	2			1	2	1	2		1		1	1	1				3																							
Working scientifically	KS1 13 P. of Study Observe closely, using simple equipment.	2			1	1	2	3					2	1				1																							
Working scientifically	KS1 21 P. of Study Perform simple tests.	2			5	4		2				1	3	2				2																							
Working scientifically	KS1 17 P. of Study Identify and classify.	1	1		3	3	1	1				2	1	1				3																							
Working scientifically	KS1 29 P. of Study Use their observations and ideas to suggest answers to questions.	1			2	9	2	5		1			3	3				3																							
Working scientifically	KS1 23 P. of Study Gather and record data to help in answering questions.	3			3	2	1	2		3		1	4	2				2																							
Plants	Year1 8 P. of Study Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees.						7	1																																	
Plants	Year1 3 P. of Study Identify and describe the basic structure of a variety of common flowering plants, including trees.						3																																		
Animals including humans	Year1 5 P. of Study Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals.	4				1																																			
Animals including humans	Year1 2 P. of Study Identify and name a variety of common animals that are carnivores, herbivores and omnivores.	2																																							



Science	Coverage	Y1 Animal Parts	Y1 Bright Ligh...	Y1 Chop, Slice ...	Y1 Everyday M...	Y1 Human Se...	Y1 Plant Parts	Y1 Seasonal C...	Y1 Shade and ...	Y2 Animal Sur...	Y2 Coastline	Y2 Habitats	Y2 Human Su...	Y2 Plant Survi...	Y2 Push and P...	Y2 Remarkabl...	Y2 Uses of Ma...	Y3 Animal Nu...	Y3 Cook Well, ...	Y3 Forces and...	Y3 Light and ...	Y3 Making It ...	Y3 Plant Nutri...	Y3 Rocks, Reli...	Y4 Electrical ...	Y4 Food and t...	Y4 Grouping a...	Y4 Misty Mou...	Y4 Sound	Y4 States of ...	Y5 Earth and ...	Y5 Forces and...	Y5 Human Re...	Y5 Properties ...	Y5 Sow, Grow ...	Y6 Circulatory...	Y6 Electrical ...	Y6 Evolution ...	Y6 Frozen Kin...	Y6 Light Theory	
Animals including humans	Year 12 P. of Study Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets).	1				1																																			
Animals including humans	Year 12 P. of Study Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.					2																																			
Everyday materials	Year 14 P. of Study Distinguish between an object and the material from which it is made.				3				1																																
Everyday materials	Year 14 P. of Study Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.				3				1																																
Everyday materials	Year 13 P. of Study Describe the simple physical properties of a variety of everyday materials.				3																																				
Everyday materials	Year 13 P. of Study Compare and group together a variety of everyday materials on the basis of their simple physical properties.				3																																				
Seasonal changes	Year 15 P. of Study Observe changes across the four seasons.								5																																
Seasonal changes	Year 13 P. of Study Observe and describe weather associated with the seasons and how day length varies.								3																																
Aims and purpose	Year 1-618 P. of Study (optional) Develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics.	3				1	1	1		1				3										1									1	1	1					4	

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Science	Coverage	Y1 Animal Parts	Y1 Bright Ligh...	Y1 Chop, Slice ...	Y1 Everyday M...	Y1 Human Se...	Y1 Plant Parts	Y1 Seasonal C...	Y1 Shade and ...	Y2 Animal Sur...	Y2 Coastline	Y2 Habitats	Y2 Human Su...	Y2 Plant Survi...	Y2 Push and P...	Y2 Remarkabl...	Y2 Uses of Ma...	Y3 Animal Nu...	Y3 Cook Well, ...	Y3 Forces and...	Y3 Light and ...	Y3 Making It ...	Y3 Plant Nutri...	Y3 Rocks, Reli...	Y4 Electrical ...	Y4 Food and t...	Y4 Grouping a...	Y4 Misty Mou...	Y4 Sound	Y4 States of ...	Y5 Earth and ...	Y5 Forces and...	Y5 Human Re...	Y5 Properties ...	Y5 Sow, Grow ...	Y6 Circulatory...	Y6 Electrical ...	Y6 Evolution ...	Y6 Frozen Kin...	Y6 Light Theory				
Aims and purpose	KS1 Year 6 11 P. of Study (optional) Develop understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them.						3	6			1					1																												
Aims and purpose	Year 1 KS2 6 P. of Study (optional) Are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.			1																		1				1											2						1	
Living things and their habitats	Year 2 2 P. of Study Explore and compare the differences between things that are living, dead, and things that have never been alive.											2																																
Living things and their habitats	Year 2 8 P. of Study 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.								2			5		1																														
Living things and their habitats	Year 2 11 P. of Study Identify and name a variety of plants and animals in their habitats, including microhabitats.								3			6		2																														
Living things and their habitats	Year 2 9 P. of Study 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.								2			7																																
Plants	Year 2 3 P. of Study Observe and describe how seeds and bulbs grow into mature plants.													3																														



Science	Coverage	Y1 Animal Parts	Y1 Bright Ligh...	Y1 Chop, Slice ...	Y1 Everyday M...	Y1 Human Se...	Y1 Plant Parts	Y1 Seasonal C...	Y1 Shade and ..	Y2 Animal Sur...	Y2 Coastline	Y2 Habitats	Y2 Human Su...	Y2 Plant Survi...	Y2 Push and P...	Y2 Remarkabl...	Y2 Uses of Ma...	Y3 Animal NU...	Y3 Cook Well, ...	Y3 Forces and...	Y3 Light and ...	Y3 Making It ...	Y3 Plant Nutri...	Y3 Rocks, Reli...	Y4 Electrical ...	Y4 Food and t...	Y4 Grouping a...	Y4 Misty Mou...	Y4 Sound	Y4 States of ...	Y5 Earth and ...	Y5 Forces and...	Y5 Human Re...	Y5 Properties ...	Y5 Sow, Grow ...	Y6 Circulatory...	Y6 Electrical ...	Y6 Evolution ...	Y6 Frozen Kin...	Y6 Light Theory				
Plants	Year 2 7 P. of Study Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.													7																														
Animals including humans	Year 2 8 P. of Study Notice that animals, including humans, have offspring which grow into adults.									5			3																															
Animals including humans	Year 2 10 P. of Study Find out about and describe the basic needs of animals, including humans, for survival (water, food and air).									4	5	1																																
Animals including humans	Year 2 9 P. of Study Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.												9																															
Everyday materials	Year 2 5 P. of Study Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.									2							3																											
Everyday materials	Year 2 1 P. of Study Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.																1																											
Working scientifically	LKS2 12 P. of Study Ask relevant questions and using different types of scientific enquiries to answer them.																	2		1	1		2		1	1	2		2															
Working scientifically	LKS2 18 P. of Study Set up simple practical enquiries, comparative and fair tests.																	3		2	3		3		1	1			3	2														

Science	Coverage	Y1 Animal Parts	Y1 Bright Ligh...	Y1 Chop, Slice ...	Y1 Everyday M...	Y1 Human Se...	Y1 Plant Parts	Y1 Seasonal C...	Y1 Shade and ...	Y2 Animal Sur...	Y2 Coastline	Y2 Habitats	Y2 Human Su...	Y2 Plant Survi...	Y2 Push and P...	Y2 Remarkabl...	Y2 Uses of Ma...	Y3 Animal Nu...	Y3 Cook Well, ...	Y3 Forces and...	Y3 Light and ...	Y3 Making It ...	Y3 Plant Nutri...	Y3 Rocks, Reli...	Y4 Electrical ...	Y4 Food and t...	Y4 Grouping a...	Y4 Misty Mou...	Y4 Sound	Y4 States of ...	Y5 Earth and ...	Y5 Forces and...	Y5 Human Re...	Y5 Properties ...	Y5 Sow, Grow ...	Y6 Circulatory...	Y6 Electrical ...	Y6 Evolution ...	Y6 Frozen Kin...	Y6 Light Theory				
Working scientifically	LKS2 22 P. of Study Make systematic and careful observations and, where appropriate, take accurate measurements using standard units, using a range of equipment, including thermometers and data loggers.																1		3	5		5		1	2	1			4															
Working scientifically	LKS2 17 P. of Study Gather, record, classify and present data in a variety of ways to help in answering questions.																2		2	2		2		1	2	2		1	3															
Working scientifically	LKS2 17 P. of Study Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables.																2		2	2		2		1	2	2		1	3															
Working scientifically	LKS2 19 P. of Study Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.																1		3	2		2		2	2	4		1	2															
Working scientifically	LKS2 19 P. of Study Use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions.																1		3	2		2		2	2	4		1	2															
Working scientifically	LKS2 15 P. of Study Identify differences, similarities or changes related to simple scientific ideas and processes.																1		2	3		4		1	1	1			2															
Working scientifically	LKS2 19 P. of Study Use straightforward scientific evidence to answer questions or to support their findings.																1		3	2		2		2	2	4		1	2															
Plants	Year 3 4 P. of Study Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers.																1					3																						



Science	Coverage	Y1 Animal Parts	Y1 Bright Ligh...	Y1 Chop, Slice ...	Y1 Everyday M...	Y1 Human Se...	Y1 Plant Parts	Y1 Seasonal C...	Y1 Shade and ...	Y2 Animal Sur...	Y2 Coastline	Y2 Habitats	Y2 Human Su...	Y2 Plant Survi...	Y2 Push and P...	Y2 Remarkabl...	Y2 Uses of Ma...	Y3 Animal Nu...	Y3 Cook Well, ...	Y3 Forces and...	Y3 Light and ...	Y3 Making It ...	Y3 Plant Nutri...	Y3 Rocks, Reli...	Y4 Electrical ...	Y4 Food and t...	Y4 Grouping a...	Y4 Misty Mou...	Y4 Sound	Y4 States of ...	Y5 Earth and ...	Y5 Forces and...	Y5 Human Re...	Y5 Properties ...	Y5 Sow, Grow ...	Y6 Circulatory...	Y6 Electrical ...	Y6 Evolution ...	Y6 Frozen Kin...	Y6 Light Theory			
Plants	Year 3 2 P. of Study Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant.																	1					1																				
Plants	Year 3 2 P. of Study Investigate the way in which water is transported within plants.																						2																				
Plants	Year 3 3 P. of Study Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.																						3																				
Animals including humans	Year 3 5 P. of Study Identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat.																	4	1																								
Animals including humans	Year 3 4 P. of Study Identify that humans and some other animals have skeletons and muscles for support, protection and movement.																	4																									
Rocks	Year 3 1 P. of Study Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties.																							1																			
Rocks	Year 3 1 P. of Study Describe in simple terms how fossils are formed when things that have lived are trapped within rock.																							1																			
Rocks	Year 3 1 P. of Study Recognise that soils are made from rocks and organic matter.																							1																			
Light	Year 3 2 P. of Study Recognise that they need light in order to see things and that dark is the absence of light.																				2																						

Science	Coverage	Animal Parts	Bright Ligh...	Chop. Slice ...	Everyday M...	Human Se...	Plant Parts	Seasonal C...	Shade and ...	Animal Sur...	Coastline	Habitats	Human Su...	Plant Survi...	Push and P...	Remarkabl...	Uses of Ma...	Animal Nu...	Cook Well, ...	Forces and...	Light and ...	Making It ...	Plant Nutri...	Rocks, Reli...	Electrical ...	Food and L...	Grouping a...	Misty Mou...	Sound	States of ...	Earth and ...	Forces and...	Human Re...	Properties ...	Sow, Grow ...	Circulatory...	Electrical ...	Evolution ...	Frozen Kin...	Light Theory
Light	Year 31 P. of Study Notice that light is reflected from surfaces.																			1																				
Light	Year 32 P. of Study Recognise that light from the sun can be dangerous and that there are ways to protect their eyes.																			2																				
Light	Year 34 P. of Study Recognise that shadows are formed when the light from a light source is blocked by a solid object.																			4																				
Light	Year 31 P. of Study Find patterns in the way that the size of shadows change.																			1																				
Forces and magnets	Year 31 P. of Study Compare how things move on different surfaces.																			1																				
Forces and magnets	Year 33 P. of Study Notice that some forces need contact between two objects, but magnetic forces can act at a distance.																			3																				
Forces and magnets	Year 31 P. of Study Observe how magnets attract or repel each other and attract some materials and not others.																			1																				
Forces and magnets	Year 31 P. of Study Compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials.																			1																				
Forces and magnets	Year 33 P. of Study Describe magnets as having two poles.																			3																				
Forces and magnets	Year 33 P. of Study Predict whether two magnets will attract or repel each other, depending on which poles are facing.																			3																				



Science	Coverage	Y1	Y1	Y1	Y1	Y1	Y1	Y1	Y1	Y2	Y2	Y2	Y2	Y2	Y2	Y2	Y2	Y3	Y3	Y3	Y3	Y3	Y3	Y4	Y4	Y4	Y4	Y4	Y4	Y5	Y5	Y5	Y5	Y5	Y6	Y6	Y6	Y6	Y6	
Living things and their habitats	Year 4 8 P. of Study Recognise that living things can be grouped in a variety of ways.																									8														
Living things and their habitats	Year 4 8 P. of Study Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment.																								8															
Living things and their habitats	Year 4 3 P. of Study Recognise that environments can change and that this can sometimes pose dangers to living things.																							1		2														
Animals including humans	Year 4 1 P. of Study Describe the simple functions of the basic parts of the digestive system in humans.																							1																
Animals including humans	Year 4 1 P. of Study Identify the different types of teeth in humans and their simple functions.																							1																
Animals including humans	Year 4 2 P. of Study Construct and interpret a variety of food chains, identifying producers, predators and prey.																							2																
States of matter	Year 4 2 P. of Study Compare and group materials together, according to whether they are solids, liquids or gases.																											2												
States of matter	Year 4 3 P. of Study 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).																												3											



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Electricity	Year 4 3 P. of Study Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit.																							3																				
Electricity	Year 4 2 P. of Study Recognise some common conductors and insulators, and associate metals with being good conductors.																							2																				
Working scientifically	UKS2 33 P. of Study Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.																													1	6	4	6	1	3	2	3	2	5					
Working scientifically	UKS2 23 P. of Study Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.																														3	2	5		5	2	2		4					
Working scientifically	UKS2 16 P. of Study Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.																														1	4	4		2	1	2		2					
Working scientifically	UKS2 18 P. of Study Use test results to make predictions to set up further comparative and fair tests.																													1	2	2	4		1	1	4		3					
Working scientifically	UKS2 18 P. of Study 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.																													1	2	2	4		1	1	4		3					



Science	Coverage	Y1 Animal Parts	Y1 Bright Ligh...	Y1 Chop, Slice ...	Y1 Everyday M...	Y1 Human Se...	Y1 Plant Parts	Y1 Seasonal C...	Y1 Shade and ..	Y2 Animal Sur...	Y2 Coastline	Y2 Habitats	Y2 Human Su...	Y2 Plant Survi...	Y2 Push and P...	Y2 Remarkabl...	Y2 Uses of Ma...	Y3 Animal Nu...	Y3 Cook Well, ...	Y3 Forces and...	Y3 Light and ...	Y3 Making It ...	Y3 Plant Nutri...	Y3 Rocks, Reli...	Y4 Electrical ...	Y4 Food and t...	Y4 Grouping a...	Y4 Misty Mou...	Y4 Sound	Y4 States of ...	Y5 Earth and ...	Y5 Forces and...	Y5 Human Re...	Y5 Properties ...	Y5 Sow, Grow ...	Y6 Circulatory...	Y6 Electrical ...	Y6 Evolution ...	Y6 Frozen Kin...	Y6 Light Theory			
Working scientifically	UKS2 18 P. of Study Identify scientific evidence that has been used to support or refute ideas or arguments.																															1	2	2	4		1	1	4		3		
Living things and their habitats	Year 5 5 P. of Study Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird.																																		4		1						
Living things and their habitats	Year 5 5 P. of Study Describe the life process of reproduction in some plants and animals.																																			2		3					
Animals including humans	Year 5 5 P. of Study Describe the changes as humans develop to old age.																																			5							
Properties and changes of materials	Year 5 2 P. of Study Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets.																																				2						
Properties and changes of materials	Year 5 1 P. of Study Know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution.																																					1					
Properties and changes of materials	Year 5 4 P. of Study Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating.																																					4					
Properties and changes of materials	Year 5 2 P. of Study Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic.																																				2						

Science	Coverage	Y1 Animal Parts	Y1 Bright Ligh...	Y1 Chop, Slice ...	Y1 Everyday M...	Y1 Human Se...	Y1 Plant Parts	Y1 Seasonal C...	Y1 Shade and ..	Y2 Animal Sur...	Y2 Coastline	Y2 Habitats	Y2 Human Su...	Y2 Plant Survi...	Y2 Push and P...	Y2 Remarkabl...	Y2 Uses of Ma...	Y3 Animal Nu...	Y3 Cook Well, ...	Y3 Forces and...	Y3 Light and ...	Y3 Making It ...	Y3 Plant Nutri...	Y3 Rocks, Reli...	Y4 Electrical ...	Y4 Food and t...	Y4 Grouping a...	Y4 Misty Mou...	Y4 Sound	Y4 States of ...	Y5 Earth and ...	Y5 Forces and...	Y5 Human Re...	Y5 Properties ...	Y5 Sow, Grow ...	Y6 Circulatory...	Y6 Electrical ...	Y6 Evolution ...	Y6 Frozen Kin...	Y6 Light Theory					
Properties and changes of materials	Year 5 5 P. of Study Demonstrate that dissolving, mixing and changes of state are reversible changes.																																	5											
Properties and changes of materials	Year 5 5 P. of Study Explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda.																																		5										
Earth and space	Year 5 8 P. of Study Describe the movement of the Earth, and other planets, relative to the Sun in the solar system.																															8													
Earth and space	Year 5 3 P. of Study Describe the movement of the Moon relative to the Earth.																																3												
Earth and space	Year 5 3 P. of Study Describe the Sun, Earth and Moon as approximately spherical bodies.																																3												
Earth and space	Year 5 3 P. of Study Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.																																3												
Forces	Year 5 1 P. of Study Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.																																	1											
Forces	Year 5 6 P. of Study Identify the effects of air resistance, water resistance and friction, that act between moving surfaces.																																	6											





