

Intent

At Higham, we recognise the importance of science in every aspect of daily life and it is our intention to develop in our pupils a lifelong curiosity in the subject.

At Higham, in conjunction with the aims of the National Curriculum, our science teaching offers opportunities for the children to:

- Develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics.
- 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.
- Be equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.

Our curriculum is planned so that pupils progressively build on learnt scientific knowledge and skills. Pupils regularly have the opportunity to apply skills with increased independence, raising questions and recognising ways in which they might answer them. We want pupils to be able to work scientifically; planning enquires, identifying variables, take measurements, record data and results, make predictions and comparative and fair tests, report finding from enquires and identify scientific evidence. As children progress through the school, it is our aim to ensure that they understand and build upon key scientific knowledge and concepts and increase their technical vocabulary.

Implementation

Teachers at Higham create a positive attitude to science learning within their classrooms and reinforce an expectation that all children are capable of achieving high standards in science. Our curriculum is structured into carefully planned units of work, which enable children to learn and retain important and useful knowledge relating to the unit as well as developing their scientific enquiry skills. These are developed with increasing depth and challenge as children move through the year groups. Within a unit of work, children will carry out investigations and hands-on activities, be encouraged to ask their own questions and be given opportunities to use scientific skills and research to discover the answers. Each lesson has a clear focus and the sequence of lessons helps to embed scientific knowledge and skills, with each lesson building on previous learning. There is also an opportunity to recap concepts and vocabulary where necessary and to regularly review and evaluate children's understanding. Lessons are well resourced and teachers demonstrate how to use equipment safely and the various working scientifically skills in order to embed scientific understanding. Opportunities are also provided to develop children's understanding of their surrounding by access to our well maintained outdoor learning environment.

In the Early Years, science is taught through the children learning about the world around them in their learning through play. Additional opportunities are provided in Science, such as an after school Science club and educational visits linked to the curriculum, such as visits to Horton Kirby Education centre.

Impact

Our teaching of science at Higham results in a fun, engaging, high-quality science education, that provides children with the foundations for understanding the world. Children's work shows, a range of evidence of the curriculum coverage for all scientific topics and there is clear progression of children's work and development of skills. Children are encouraged to become increasingly independent in science, selecting their own equipment and materials, completing pupil led investigations and choosing their own strategies for recording. Progress is measured through a child's ability to know more, remember more and explain more and this can be assessed in different ways. Teachers build into the lessons precise questioning to assess conceptual knowledge and skills, give feedback with next step questions to push learning on and long-term attainment and progress is recorded using our assessment spreadsheets. The importance of science will be recognised across the school, through our learning environment and with science technical vocabulary displayed, spoken and used by all learners. Children who feel confident in their science knowledge and enquiry skills will be excited about science, show that they are curious to learn more and will see the relevance of what they learn in lessons to real-life situations and understand the importance of science in the real world.

Our engagement with the local environment ensures that children learn through varied and first hand experiences of the world around them. There is a clear progression of children's work and development of their skills. Children's work shows a range of topic and evidence of the curriculum coverage for all the science topics. Feedback from the teachers has impact on our pupils, often with next step questions to push learning on.



Early Years Foundation Stage						
ELG	Understanding the World	The Natural World	 Explore the natural world around them, making observations and drawing pictures of animals and plants. Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class. Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter. 			

For further details on Science in EYFS please see separate document 'Science in EYFS'



	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Ideas & Evidence In Science	Can recognise that scientists find out about scientific ideas by asking questions and testing them.	Can recognise that scientists collect evidence by making observations and measurements in order to answer a question.	Can recognise why it is important to collect evidence by making observations and measurements to answer a question, and that science has made our lived better.	Can recognise that scientific ideas are based on evidence, have made our lives better and that there is some risk in science.	Can describe how experimental evidence and creative thinking are combined to provide scientific explanations that has changed over time.	Can describe how experimental evidence and creative thinking are combined to provide scientific explanations that change over time and has both positive and negative effects.
Asking Questions And Enquiry	Can ask some simple questions to find out about the world around us and with teacher guidance, recognise that they can be answered using different types of enquiry (observing changes over time, noticing patterns, grouping/classifying, simple comparative tests and using secondary sources).	Can ask simple questions to find out about the world around us and make simple suggestions about the different types of enquiry that could be used to collect evidence to answer a question (observing changes over time, noticing patterns, grouping/classifying, simple comparative tests and using secondary sources)	Can recognise how scientific ideas and concepts can be turned into relevant questions that can be investigate and put forward their own ideas about how to find the answer to a scientific question using different types of enquiries (observing changes over time, noticing patterns, grouping/classifying, comparative tests, fair tests and using secondary sources)	Can turn existing scientific ideas into a question form that can be investigated and begin to plan different types of scientific enquiries, including recognising and controlling variables with teacher guidance.	Can form scientific questions for enquiry based on scientific ideas/concepts and recognise which can be investigated and those which are theoretical. Plan different types of enquiries to answer questions, including identifying and controlling variables.	Can explore scientific ideas/concepts and form clear enquiry questions about scientific phenomena, recognising which can be investigated and those which are theoretical. Select and plan the most appropriate types of enquiry to answer questions, including identifying and controlling variables, where necessary.
Predicting and Hypothesising	Can make a simple prediction, 'I think'	Can make a prediction with a simple reason, 'I thinkbecause'	Can make a prediction, giving a reason based on everyday experience	Can make a prediction, giving a reason which considers scientific ideas and is based on everyday experience	Can hypothesise, giving a reason which considers scientific ideas and uses knowledge of a similar everyday experience applied it to a new situation, e.g. I think little bits of sugar dissolve faster than a sugar lump	Can hypothesise, giving a reason which is based on scientific concepts and uses knowledge of a similar everyday experience, applied it to a new situation, e.g. I think little bits of sugar dissolve faster than a sugar lump
Planning an Enquiry	Can plan a simple test guided by the teacher	Can make a simple plan for a test within a framework provided by the teacher, e.g. using a planning frame or set of questions, focusing on a limited number of variables	Can make a simple plan which identifies the basic features of the test, e.g. what is being changed, what is being measured and which variables are being controlled to keep the test fair	Can decide on a clear plan to answer the question which identifies the key features of a fair test, e.g. what is being changed, what is being measured and which variables are being controlled to keep the test fair	Can decide on an appropriate way to collect data to answer a question and with guidance, create a clear plan which identifies the independent, dependent and control variables	Can identify and plan an appropriate approach to answer a scientific question, identifying clear independent, dependent and control variables
Fair Testing	Can recognise unfairness and what is being changed in a test	Can, with teacher guidance, identify what is being changed, what is being measured, and one or two variables which need to stay the same in order to make the test fair	Can carry out a fair test which identifies the variable being changed, measured and controlled. Recognise and explain why it is fair	Can make a plan which identifies how one variable is changed, while all the others are kept the same	Can identify key variables to be considered and with teacher guidance, choose one independent variable to change, decide how to measure the effect (dependent variable) and which variables to control	Can identify key variables to be considered and choose an appropriate variable to be varied (independent variable), measured for effect (dependent variable) and variables that need to be controlled.



	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
uring	Can begin to observe closely using simple equipment provided and	Can use simple equipment provided to make observations and	Can make observations and measurements which are relevant	Can select suitable equipment for a test and make a series of accurate	Can select apparatus for a range of tests and use effectively, making a	Can select apparatus for a range of tests and use effectively, making a
Observing and Measuring	measure in non-standard units. For example, compare length, area and volumes visually, mass by feel, temperature by touch, time by clapping or ordering, sound, light force using senses	measurements related to the test, measuring in standard and non- standard units.	to the test. Can measure quantities in standard units, using a range of simple equipment.	observations and measurements which are adequate for the test.	series of systematic observations, measurements and comparisons. Can recognise patterns and begin to repeat observations and measurements, offering simple explanations for any differences found.	series of systematic observations, measurements and comparisons with precision appropriate to the test. Can recognise patterns and repeat observations and measurements, offering possible explanations for any differences found.
Investig ating	Can perform simple tests with support	Can perform simple tests	Can set up simple practical enquiries and consider fair tests	Can set up simple practical enquiries and consider comparative and fair tests	Can set up practical enquiries and use results to begin to set up comparative and fair tests	Can set up practical enquiries and use results to plan and set up further comparative and fair tests
Recording Results	Can describe simple features, observations and measurements and record in a variety of simple ways, e.g. pictures, words, provided tables	Can describe observations and measurements in a variety of ways, including simple tables, labelled drawings, bar charts and through the use of scientific vocabulary	Can record observations and measurements in a variety of ways, including ICT. Can record results in a variety of ways, including simple tables, labelled diagrams, keys and bar charts.	Can record observations, measurements and comparisons using tables, including ICT. Can construct their own tables, choosing headings and the number and range of measurements, draw labelled diagrams, keys and bar charts.	Can record observations and measurements systematically, including the use of ICT. Can begin to choose the best method, e.g. scientific diagrams, classification keys, tables, bar and line graphs, repeated tests and averaging (mean)	Can record observations and measurements systematically, including the use of ICT. Can record results of increasing complexity and choose the best recording method, e.g. scientific diagrams, classification keys, tables, bar and line graphs, repeated tests and averaging (mean)
Presenting Results	Can, where appropriate, record observations in a bar chart (e.g. pictogram) with axis labelled by the teacher	Can, where appropriate and supported by the teacher, record observations and measurements in simple bar charts	Can, where appropriate, record observations and standard measurements in bar charts, deciding on the axes	Can, where appropriate, record observations, measurements and comparisons using bar charts, choosing scale and labelling axes. Can begin to plot points to form simple graphs and use these to point out and interpret patterns in data	Can, where appropriate, present data as bar charts and line graphs. Can construct bar and line graphs, selecting scale and labelling axes. Can begin to interpret and systematically explain patterns in data.	Can, where appropriate, choose to present increasingly complex data as bar charts and line graphs. Can construct bar and line graphs, selecting scale and labelling axes. Can interpret and systematically explain patterns in data.
Drawing Conclusions	Can talk about what happened, communicating their findings in a simple way, e.g. talk, drawing, simple charts	Can explain what happened and relate this to their earlier prediction made	Can identify and explain simple patterns in recorded measurements and observations, and communicate what has been found in a simple scientific way	Can begin to relate conclusions to patterns in data and to prior scientific knowledge and understanding. Can explain conclusions using appropriate scientific language	Can draw conclusions which are consistent with evidence and relate these to scientific knowledge and understanding. Can use appropriate scientific language and conventions to communicate quantitative and qualitative data	Can draw clear conclusions, which are linked to evidence from data patterns and relate these to scientific knowledge and understanding. Can use accurate scientific language and conventions to communicate quantitative/qualitative data and explain causal relationship.
Reviewing the Test	Can identify which parts of the test have been done well and which need to be improved	Can question how carefully the test has been carries out and what needs improvement	Can suggest improvements to the test to improve accuracy	Can suggest improvements to the tests, giving reasons	Can evaluate the accuracy of tests and make practical suggestions about how working methods could be improved	Can evaluate the effectiveness of their tests, the limitations and suggestion how methods could be improved



	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Biology Plants	Pupils should be taught to: Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees Identify and describe the basic structure of a variety of common flowering plants, including trees	Pupils should be taught to: Observe and describe how seeds and bulbs and grow into mature plants Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy	Pupils should be taught to: Identify and describe the functions of different parts of flowering plants; roots, stem/trunk, leaves and flowers 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 Investigate ways om which water is transported within plants Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal	Relate knowledge of plants to studies of all living things	Relate knowledge of plants to studies of all living things	Relate knowledge of plants to studies of all living things Relate knowledge of plants to studies of evolution and inheritance
Biology Animals including humans	Pupils should be taught to: Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals Identify and name a variety of common animals that are carnivores, herbivores and omnivores Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets) Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.	Pupils should be taught to: Notice that animals, including humans, have offspring which grow into adults Find out about and describe the basic needs of animals, including humans, for survival (water, food and air) Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene	Pupils should be taught to: 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 Identify that humans and some other animals have skeletons and muscles for support, protection and movement.	Pupils should be taught to: Describe the simplest function of the basic parts of the digestive system in humans Identify the different types of teeth in humans and their simple functions Construct and interpret a variety of food chains, identifying producers, predators and prey	Pupils should be taught to: Describe the changes as humans develop to old age	Pupils should be taught to: Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function Describe the ways in which nutrients and water are transported within animals, including humans.



	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Biology Living things and their Habitats		Pupils should be taught to: Explore and compare the differences between things that are living, dead, and things that have never been alive 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 Identify and name a variety of plants and animals in their habitats, including microhabitats 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.		Pupils should be taught to: Recognise that living things can be grouped in a variety of ways Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment Recognise that environments can change and that this can sometimes pose dangers to living things	Pupils should be taught to: Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird Describe the life processes of reproduction in some plants and animals	Pupils should be taught to: Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including mircoorganisms, plants and animals Give reasons for classifying plants and animals based on specific characteristics
Biology Evolution and Inheritance	Identify how humans resemble their parents in many features	Identify how humans resemble their parents in many features	Identify how plants and animals, including humans, resemble their parents in many features Identify how animals and plants are suited to and adapt to their environment in different ways See Rocks re-fossils	Identify how plants and animals, including humans, resemble their parents in many features Identify how animals and plants are suited to and adapt to their environment in different ways	Identify how plants and animals, including humans, resemble their parents in many features Identify how animals and plants are suited to and adapt to their environment in different ways	Pupils should be taught to: Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution



	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Chemistry Materials	Everyday materials Pupils should be taught to: Distinguish between an object and the material from which it is made Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water and rock Describe the simple physical properties of a variety of everyday materials Compare and group together a variety of everyday materials on the basis of their simple physical properties	Use of Everyday Materials Pupils should be taught to: Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, brick, rock, paper and cardboard for particular uses Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching	Rocks Pupils should be taught to: Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties Describe in simple terms how fossils are formed when things that have lived are trapped within rock Recognise that soils are made from rocks and organic matter	States of Matter Pupils should be taught to: Compare and group materials together, according to whether they are solids, liquids or gases Observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in Celsius (°C) Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature	Properties and Changes of Materials Pupils should be taught to: 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 Know that some materials will dissolve in liquid to form a solution, and to describe how to recover a substance from a solution Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic Demonstrate that dissolving, mixing and changes of state are reversible changes 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	



	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Physics Understand movement, forces and magnets	Notice and descry-be how things move, using simple comparison such as faster and slower Compare how different things move	Notice and describe how things move, using simple comparison such as faster and slower Compare how different things move	Forces and Magnets Pupils should be taught to: Compare how things move on different surfaces Notice that some forces need contact between two objects, but magnetic forces can act at a distance Observe how magnets attract or repel each other and attract some materials and not others Compare and group together a variety of everyday materials on the basis on whether they are attracted to a magnet, and identify some magnetic materials Describe magnets as having two poles Predict whether two magnets will attract or repel each other, depending on which poles are facing		Forces Pupils should be taught to: Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object Identify the effects of air resistance, water resistance and friction, that act between moving surfaces Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect	
Physics Understand Light and Sound	Observe and name a variety of sources of light, including electric lights, flames and the Sun, explaining that we see things because light travels from them to our eyes Observe and name a variety of sources of sound, noticing that we hear with our ears	Observe and name a variety of sources of light, including electric lights, flames and the Sun, explaining that we see things because light travels from them to our eyes Observe and name a variety of sources of sound, noticing that we hear with our ears	Light Pupils should be taught to: Recognise that they need light in order to see things and that the dark is the absence of light Notice that light is reflected from surfaces Recognise that light from the sun can be dangerous and that there are ways to protect their eyes Recognise that shadows are formed when the light from a light source is blocked by a solid object Find patterns in the way that the size of shadows changes	Sound Pupils should be taught to: Identify how sounds are made, associating some of them with something vibrating Recognise that vibrations from sound travel through a medium to the ear Find patterns between the pitch of a sound and the features of the object that produced it Find patterns between the volume of a sound and the strength of the vibrations that produced it Recognise that sounds get fainter as the distance from the sound source increases		Light Pupils should be taught to: 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 object that cast them



	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Physics Understand Electricity				Pupils should be taught to: Identify common appliances that run on electricity Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers Identify whether or not a lamp will light in a simple series circuit, based on whether of not the lamp is part of a complete loop with a battery Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit Recognise some common conductors and insulators, and associate metals with being good conductors		Pupils should be taught to: Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in a 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
Physics Understand the Earth's movement in	Seasonal change Pupils should be taught to: Observe changes across the four seasons Observe and describe weather associated with the seasons and how day length varies				Earth and Space Pupils should be taught to: Describe the movement of the Earth, and the other planets, relative to the Sun Describe the movement of the Moon relative to the Earth Describe the Sun, Earth and Moon as approximately spherical bodies Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky	

Items in light grey boxes are not statutory in the Science National Curriculum



Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Working Scientifically Vocabulary	Working Scientifically Vocabulary	Working Scientifically Vocabulary	100. 1	Working Scientifically Vocabulary	Working Scientifically Vocabulary
Question, Answer, Observe, Test,	Question, Answer, Observe, Test,	Research, Fair Test, Variables,	Research, Fair Test, Variables,	Comparative Test, Fair Test, Plan,	Comparative Test, Fair Test, Plan,
Compare, Describe, Equipment,	Equipment, Identify, Classify, Sort,	Careful Observations, Accurate		Notice Patterns, Relationships,	Notice Patterns, Relationships,
Identify, Classify, Sort, Group,	Group, Patterns, Record, Diagram,	Measurements, Prediction,	Accurate Measurements,		Independent Variable, Dependent
Record, Diagram, Chart, Data	Chart, Data, Compare, Contrast,	Explanations, Results, Conclusion,	Prediction, Explanations, Results,	Variable, Controlled Variable,	Variable, Controlled Variable,
necora, Biagram, enare, Baca	Describe	Evidence, Keys		·	Accuracy, Precision, Degree Of
	Describe	Evidence, Reys	Comparative Test, Enquiry,		Trust, Classification Keys, Scatter
			Increase, Decrease, Data Loggers,	Graphs, Line Graphs, Causal	Graphs, Line Graphs, Causal
			Thermometers,		Relationships, Support/Refute, Fact,
			Thermometers,	Loggers	Opinion, Observation Over Time,
				Loggers	Pattern Seeking, Identifying
					Classifying And Grouping, Using
					Secondary Sources
Animals Including Humans	Animals Including Humans	Animals Including Humans	Animals Including Humans	Animals Including Humans	Animals Including Humans
Fish, Reptiles, Mammals, Birds,	Grow, Survival, Water, Air, Food,	Movement, Muscles, Bones, Skull,	Mouth, Tongue, Teeth,		Internal Organs, Circulatory, Heart,
Amphibians (+ Examples Of Each)		Nutrition, Skeletons, Support,		• • • • • • • • • • • • • • • • • • • •	Blood Vessels, Veins, Arteries,
Herbivore, Omnivore, Carnivore,	Puppy, Exercise, Hygiene, Nutrition			Growth, Development, Puberty	Oxygenated, Deoxygenated, Valve,
Leg, Arm, Elbow, Head, Ear, Nose,	appy, Exercise, Hygierie, Natrition	rotection	Intestine, Acids, Enzymes,	drowth, bevelopment, ruberty	Exercise, Respiration
Back, Wings, Beak			Herbivore, Carnivore, Canine,		Exercise, Respiration
Back, Willigs, Beak			Incisor, Molar, Producers,		
			Consumers		
Plants	Plants	Plants	Living Things And Their Habitats	Living Things And Their Habitats	Living Things And Their Habitats
Deciduous, Evergreen Trees,	Seeds, Bulbs, Water, Light,	Air, Light, Water, Nutrients, Soil,		Mammal, Reproduction, Insect,	Classification, Vertebrates,
Common, Wild, Garden Plants,		Support, Structure Reproduction,	· · · · · · · · · · · · · · · · · · ·	Amphibian, Bird, Offspring, Life	Invertebrates, Micro-Organisms,
Leaves, Flowers (Blossom), Petals,	Germination, Reproduction	Transportation, Dispersal,	Invertebrates, Snails, Slugs, Worms,		Amphibians, Reptiles, Mammals,
Fruit, Roots, Bulb, Bud, Seed, Trunk	1	Pollination, Flower	Spiders, Insects, Environment,	,	Insects
Branches, Stem		,	Habitats, Flowering Plants, Non-		
· ·			Flowering Plants		
Everyday Materials	Living Things And Their Habitats	Rocks		Properties And Changes Of	Evolution And Inheritance
Wood, Plastic, Glass, Paper, Water,	Living, Dead, Alive, Habitat, Energy,	Fossils, Soils, Sandstone, Granite,	Solid, Liquid, Gas, Evaporation,	Materials	Fossils, Adaptation, Evolution,
Metal, Rock, Hard, Soft, Bendy,	Food Chain, Predator, Prey,	Marble, Pumice, Crystals,	Condensation, Particles,	Hardness, Solubility, Transparency,	Characteristics, Reproduction,
Rough, Smooth, Shiny, Dull,	Woodland, Pond, Desert, Shelter	Absorbent, Properties, Sedimentary	Temperature, Freezing, Heating,	Conductivity (Electrical And	Genetics
Waterproof, Absorbent		·	Changing State, States Of Matter,	Thermal), Magnetic, Filter,	
			Degrees Celsius	Evaporation, Dissolving, Separating,	
				Mixing, Reversible And Irreversible	
				Changes Chemical	



Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Seasonal Changes	Everyday Materials And Their Uses	Light	Sound	Earth And Space	Light
Summer, Spring, Autumn, Winter,	Hard, Soft, Stretchy, Stiff, Shiny,	Light, Shadows, Mirror, Reflective,	Volume, Vibration, Wave, Pitch,	Earth, Sun, Moon, Axis, Rotation,	Refraction, Reflection, Light,
Sun, Day, Moon, Night, Light, Dark,	Dull, Rough, Smooth, Bendy,	Dark, Reflection, Natural, Artificial	Tone, Speaker	Day, Night, Phases Of The Moon,	Spectrum, Rainbow, Colour, Filters
Wind, Rain, Snow, Hail, Sleet, Fog,	Waterproof, Absorbent, Opaque,			Star	
Sun, Hot, Warm, Cold	Transparent, Brick, Cardboard,				
	Fabrics, Squashing, Bending,				
	Twisting, Stretching Elastic, Foil				
Living Things And Their Habitats		Forces And Magnets	Electricity	Forces	Electricity
Habitat, Mini-Beasts, Micro		Magnetic, Force, Contact, Attract,	Cells, Wires, Bulbs, Switches,	Air Resistance, Water Resistance,	Cells, Wires, Bulbs, Switches,
Habitats		Repel, Friction, Poles, Push, Pull	Buzzers, Battery, Circuit, Series,	Friction, Gravity, Newton, Gears,	Buzzers, Motors, Battery, Circuit,
			Conductors, Insulators	Pulleys	Series, Conductors, Insulators,
					Amps, Volts, Cell, Symbols