

| | | Plants | | |
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| | EYFS Development Matters -Explore the Natural World | Year 1 Introduction to Plants | Year 2 Plant Growth | Year 3 Plant Reproduction |
| Scientific Knowledge and Understanding | To have frequent opportunities for outdoor play and exploration. To have interactions with the outdoors to foster curiosity and give children freedom to touch, smell and hear the natural world around them during hands-on experiences. To have opportunities to discuss how we care for the natural world around us. To have opportunities to sing songs and join in with rhymes and poems about the natural world. To be able to, after close observation, draw pictures of the natural world, including animals and plants. | To know a variety of common plants, and how they differ. To know that deciduous trees lose their leaves seasonally, but evergreen trees do not. To know the basic structure (including leaves, flowers (blossom), fruit, roots, bulb, seed, trunk, branches, stem) of a variety of common plants, including flowering plants and trees. | To know that seeds and bulbs grow into seedlings by producing roots and shoots. To know that seedlings grow into mature plants by developing parts such as roots, stems, leaves and flowers. To know that seeds need water and warmth to germinate. To know that plants need water, light and a suitable temperature for growth and health. | To understand the functions of the basic parts of a plant and the relationship between structure and function. To know that water is transported within a plant from the root, through the stem, to the leaves. To begin to understand how plants grow and change over time. To know that seeds and bulbs grow into seedlings by producing roots and shoots. To know that seedlings grow into mature plants by developing parts such as roots, stems, leaves and flowers. To know that seeds need water and warmth to germinate. |



| methods of seed dispersal and the benefits of each. |
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| | | | Animals, including h | numans | |
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| | | EYFS Development Matters -Explore the Natural World • To have frequent opportunities | Year 1 Comparing Animals • To know a variety of common | Year 2 Life Cycles and Health • To understand how living | Year 3 Movement and Nutrition |
| Scientific Knowledge and Understanding | Animal Growth | To have frequent opportunities for outdoor play and exploration. To have interactions with the outdoors to foster curiosity and give children freedom to touch, smell and hear the natural world around them during hands-on experiences. To have opportunities to discuss how we care for the natural world around us. To have opportunities to sing songs and join in with rhymes and poems about the natural world. To be able to, after close observation, draw pictures of the natural world, including animals and plants. | • To know a vallety of common animals (including fish, amphibians, reptiles, birds and mammals). | To understand now ining things change, and that animals have offspring that grow into adults. To know which offspring comes from which parent animal. To know the stages in some animal life cycles. | |



| | EYFS Development Matters -Explore the Natural World | Year 1 Comparing Animals | Year 2 Life Cycles and Health | Year 3 Movement and Nutrition |
|-------------------------------|--|---|----------------------------------|--|
| Animal Structure and Function | To observe the natural world and to observe how animals behave differently as the seasons change. | To know the main body parts of common animals (arms, legs, wings, tails, fins, head, trunk, horns/tusks, shell) To know key parts of the human body (including head, neck, arms, elbows, legs, knees, face, ears, eyes, hair, mouth, teeth). To know the five main senses: sight, smell, hearing, taste and touch. To know that the skin is used for touch, the tongue is used for taste, the nose is used for smell, the eyes are used for hearing. | | To know that animals can be grouped based on the presence of a skeleton. To know that the skeleton in humans and some animals is used for movement, protection and support. To know that the muscular system in humans and some animals works with the skeleton for movement. To know the main bones in the body. |



| | EYFS | Year 1 | Year 2 | Year 3 |
|----------------------|---|---|---|---|
| | Development Matters - PSED | Comparing Animals | Life Cycles and Health | Movement and Nutrition |
| Health and Nutrition | To use practices that support good hygiene, such as insisting on washing hands before snack time. To discover healthy foods, highlighting the importance of eating plenty of fruits and vegetables. To develop good personal hygiene. Acknowledge and praise their efforts. Provide regular reminders about thorough handwashing and toileting. To work with parents and health visitors or the school nurse to help children who are not usually clean and dry through the day. | To know that a carnivore is an animal that eats other animals and give some examples. To know that a herbivore is an animal that eats only plants and give some examples. To know that an omnivore is an animal that eats both animals and plants, and to give some examples. | To know that animals, including humans, need water, food and air to survive. To understand the importance of exercise, a balanced diet and hygiene for humans. | To know that animals, including humans, need the right types and amount of nutrition. To understand that humans cannot make their own food and therefore eat to get the nutrition needed. To know the main food groups (carbohydrates, protein, fats, fibre, vitamins, minerals and water) and their simple functions. To know that a balanced diet should include all food groups. To describe the diets of different animals. |



| | | Ar | nimals, including humans | |
|-----------------------|-------------------------------|--|---|---|
| | | Year 4 Digestion and Food | Year 5 Human Timeline | Year 6 Circulation and Health |
| dge and Understanding | ion Animal Growth | To know the main organs of the human digestive system (mouth, teeth, tongue, | To describe the human life cycle, including the stages of growth and development (baby, toddler, child, teenager, adult, elderly). To describe changes that occur during puberty (in boys and girls). To know that gestation periods vary across mammals. | To know the main parts of the human circulatory system (heart, blood vessels |
| Scientific Knowledge | Animal Structure and Function | large intestines) and describe their simple functions. To know the different types of human teeth (incisor, canine, premolar and molar) and their simple functions. | | and blood). To know that the heart pumps blood around the body. To know that the blood vessels transport blood around the body. To know that the blood transports vital substances around the body, including oxygen and nutrients. |



| | | To understand the relationships between different organ systems. |
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| Health and Nutrition | To know that teeth can be damaged, including the effect of sugary and acidic food. To know that it is important to brush teeth twice a day, make good food choices and visit the dentist regularly. To describe the teeth of carnivores and herbivores, and understand why they are different. To know that predators hunt for their food and prey are the animals being hunted. To know that producers make their own food. To know that food chains begin with a producer followed by consumers, and arrows to show the energy passed on. | To understand the impact of diet, exercise, drugs and lifestyle on the way a body functions. To know that the heart rate is the number of beats per minute. To know that exercise increases heart rate. |



| | Living Things and their Habitats | | | | |
|-----------------------|----------------------------------|--|--|--|--|
| dge and Understanding | Characteristics of Living Things | Year 2 Habitats and Microhabitats To begin to understand some of the life processes, including movement, reproduction, sensitivity, growth, excretion and nutrition. To know the difference between things that are living, dead, and things that have never been alive, using some of the life processes. | Year 4 Classification and Changing Habitats To know that living things can be grouped in different ways. To know that a classification key can be used to group and identify plants and animals. To know that vertebrates are animals which have a backbone and invertebrates are animals which do not have a backbone. To know that plants can be grouped into flowering or non-flowering varieties. To know that flowering plants include grasses and non-flowering plants includes ferns and mosses. To know that there are five main vertebrate groups: birds, mammals, reptiles, amphibians and fish. To know that invertebrate groups include snails, slugs, worms, spiders and insects. | | |
| Scientific Knowledge | Variation and Inheritance | To know a variety of plants and animals and describe some differences. | | | |



| To name a variety of habitats, including woodland, ocean, rainforest and seashore. To know that a habitat is the environment where an animal or plant lives/ grows, because it provides what they need to survive. To know that a micro-habitat is a very small habitat (e.g. stones, logs and leaf litter). To know that living things depend upon each other (e.g. for food, shelter.) To understand that a food chain can be used to show how animals obtain food from eating either plants and/or other animals. | To know that habitats can change throughout the year and this can be dangerous for living things. To know that humans can have both a positive and negative impact on the environment. |
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EYFS

Development Matters – Explore the Natural World

- Provide children with have frequent opportunities for outdoor play and exploration. Encourage interactions with the outdoors to foster curiosity and give children the freedom to touch, smell and hear the natural world around them during hands-on experiences.
- Create opportunities to discuss how we care for the natural world around us.
- Offer opportunities to sing songs and join in with rhymes and poems about the natural world.
- After close observation, draw pictures of the natural world, including animals and plants.
- Observe and interact with natural processes, such as ice melting, a sound causing a vibration, light travelling through transparent material, an object casting a shadow, a magnet attracting an object and a boat floating on water.
- Encourage focused observation of the natural world. Listen to children describing and commenting on things they have seen whilst outside, including plants and animals.
- Encourage positive interaction with the outside world, offering children a chance to take supported risks, appropriate to themselves and the environment within which they are in.
- Name and describe some plants and animals children are likely to see, encouraging children to recognise familiar plants and animals whilst outside.



| | Living Things and their Habitats | | | | |
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| | | Year 5 Life Cycles and Living Things | Year 6 Classifying Evolution and Inheritance | | |
| Scientific Knowledge and Understanding | Characteristics of Living Things | | To know that 'organism' is a term used to refer to an individual living thing. To know that micro-organisms are incredibly small and cannot usually be seen by the naked eye. To know the characteristics of the different groups of vertebrates and commonly found invertebrates. | | |
| | Variation and Inheritance | To know that a life cycle shows the changes an animal or plant goes through until the reproduction of a new generation when the cycle starts again. To know that all living things must reproduce for the species to survive. To know that sexual reproduction requires two parents, whereas asexual reproduction only requires one parent. To know that there are different processes plants and animals use to reproduce (asexual and sexual reproduction). | To know that living things have changed over time. To know that fossils provide us with information about living things that inhabited the Earth millions of years ago. To know that characteristics are passed from parents to their offspring, but that all offspring vary from their parents. To know that over time, variation in offspring can affect animals' chances of survival in particular environments. | | |
| Scientifi | Habitats and Interdependence | | • To know that animals and plants have adapted to suit their environment over many millions of years and that this process can be called evolution. | | |



| Materials | | | | |
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| | Year 1 Everyday Materials | Year 2 Use of Everyday Materials | Year 3 Rocks and Soils | |
| Identifying and Naming | To know that objects are items or things. To know that a material is what an object is made from. To identify and name a variety of everyday materials, including wood, plastic, glass, metal, water and rock. | | To know that rocks can be grouped based on their appearance or properties, (e.g. colour, texture, hardness, permeability.) To know that rocks may contain grains, crystals or fossils. To know that grains and crystals appear differently and can be used to classify rocks. To know that soils are made from rocks and dead matter. | |
| Properties and Uses | To know that property refers to how a material can be described. To describe the physical properties of a variety of everyday materials. To understand that materials can be grouped based on their physical properties. | To know why objects are made from particular materials and to give examples of their suitability. To know that one material can be used for a range of purposes (and to give examples.) To know that different materials can be used for the same purpose (and to give examples.) To know why certain materials are unsuitable for particular objects. | • To understand the relationship between the properties of rocks and their uses. | |



| Change | • | To know that a push or pull must be applied to change the shape of a solid object. To know that solid objects can be squashed, bent, twisted or stretched. To know that different solid objects may take a different amount of force to change shape. | • To know that fossils can form from the remains of living things. To know that rocks can change over time (e.g. erosion, weathering). | | |
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| | | EYFS | | | |
| | Develop | oment Matters – Explore the Natural World | | | |
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| • Observe and interact with natural processes, such as ice melting, a sound causing a vibration, light travelling through transparent material, an object casting a shadow, a magnet attracting an object and a boat floating on water. | | | | | |



| | | Materials | |
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| | | Year 4 States of Matter | Year 5 Mixtures and Separation Properties and Changes |
| Understanding | Identifying and Naming | To know that all substances around us can exist as solids, liquids and gases. | • |
| Scientific Knowledge and Unde | Properties and Uses | To know that a property of a solid is that it keeps its shape unless a force is applied to it. To know that a property of a liquid can flow freely and take on the shape of a container. To know that a property of a gas does not have a fixed shape and can escape from an unsealed container. | To describe a broader range of materials and their properties, including hardness, solubility, transparency, conductivity and response to magnets |



| Change | To know that heating causes solids to turn into liquids (melting) and liquids to turn into gases (evaporating). To know that cooling causes gases to turn into liquids (condensing) and liquids to turn into solids (freezing). To know that water can exist as a solid, a liquid or a gas. To know that the melting point of water is zero degrees Celsius and the boiling point of water is 100 degrees Celsius. To know that water cycle. To know that in the water cycle, evaporation is when bodies of water are heated and turn into water vapour. To know that in the water cycle, condensation is the process of water vapour cooling to form water droplets in clouds, which can result in precipitation. To know that the rate of evaporation increases as temperature rises. | To know that some substances will dissolve in a liquid to form a solution. To know the factors that affect the time taken to dissolve, including temperature and stirring. To understand that dissolving, mixing and changes of state are reversible changes. To know that some liquids and solids can be separated using sieving, filtering and evaporation and to describe these processes. To understand that some changes result in the formation of new materials and that these are usually irreversible. (e.g. burning, rusting, the action of acid on bicarbonate of soda.) |
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| | Energy | | | | | | | |
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| | | Light | | Sound | | | | |
| and Understanding | Sources | Year 3 Light and Shadows To know that light travels from a source (e.g. the Sun, light bulbs and torches). To know that light is needed to see things and that dark is the absence of light. To know that light from the Sun can be dangerous and how to protect their eyes. | Year 6 Light and Reflection To know that light travels in a straight line from a light source. To understand that luminous objects are seen as a result of light directly entering the eye, whereas non-luminous objects reflect light into the eye. | Year 4 Sound and Vibrations • To understand that sound is a result of vibrations. | | | | |
| Scientific Knowledge | Transfer | To know that all materials reflect light. To know that shadows are formed when the light from a light source is blocked by an opaque object. | To know that shiny surfaces reflect light uniformly. To know that when light is reflected off a surface, its direction changes. To know that mirrors and periscopes work using reflection of light on smooth surfaces. To understand why shadows have the same shape as the objects that cast them as a result of light travelling in straight lines. To understand relationships between light sources, objects and shadows. | To know that vibrations from sounds travel through mediums to the ear. To know that an insulating material reduces the amount of vibrations that pass through it and this can be used to protect the ears from damaging sounds. To know that different materials provide different amounts of insulation against sound. | | | | |



| Factors Affecting Energy | To know that shadows change as a result of different factors: Changing the position of the light source. Changing the distances between the light source, object and surface. To know that shadows change position and length throughout the day as the Sun changes position in the sky. | To understand how and why the distance between the object and the screen affects the size of the shadow. To understand how the angle of a reflected ray is affected by the angle of the incoming ray on a smooth surface. | To know a variety of ways to change the pitch or volume of a sound. To know that quicker vibrations cause higher-pitched sounds and slower vibrations cause lower-pitched sounds. To know that stronger vibrations cause louder sounds and weaker vibrations cause quieter sounds. To know that sounds get fainter as the distance from the sound source increases. |
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| | | Energy | |
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| | | Electricity | |
| | | Year 4 Electricity and Circuits | Year 6 Circuits, Batteries and Switches |
| Understanding | Sources | To know that all electrical appliances need a power source, including batteries or mains electricity. To know that an electrical circuit needs a complete path for the electrical charge to flow through. To know the main components in a simple series circuit. To know the precautions for working safely with electricity. | To know a wider variety of components in a series circuit (including buzzer and motor). To know the conventions used to draw circuit diagrams, including the recognised symbols for common components and using straight lines. |
| Scientific Knowledge and | Transfer | To know that some materials allow electrical charge to pass through them quickly and these are known as electrical conductors (e.g. metals). To know that some materials do not allow electrical charge to pass through them easily and these are known as electrical insulators (e.g wood and plastic). To know that metals are used for cables and wires because they are good conductors of electricity. To know that plastic is used to cover cables and wires because it is a good insulator. | |



| Affecting | • | To understand that an open switch breaks a series circuit so the components will be off. To understand that a closed switch completes a series circuit so the | To know that the voltage of a circuit can be changed and how this affects bulb brightness (or buzzer volume). | |
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| Factors Affe Fnerrov | • | components will be on. To understand the relationship between bulb brightness and the number of bulbs in a circuit. | | |



| | | Forces, Earth and S | Брасе |
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| ing | Facts | Year 1 Seasonal Changes • To know the name and order of the four seasons; spring, summer, autumn and winter. • To know that it is unsafe to look directly at the Sun. | Year 5 Earth and Space To know that the Sun is a star at the centre of our solar system. To know that the Sun, Earth and Moon are approximately spherical bodies. To know the names, order and relative positions of the planets and |
| dge and Understanding | Forces In Motion Key | To know weather associated with the four seasons and how it changes (in the UK). To understand that day length varies across the four seasons, with fewer daylight hours in the winter and more in the summer. | other main celestial bodies. To know that a moon is a celestial body that orbits a planet and give examples of moons that orbit other planets. To know that the Earth and other planets orbit around the Sun. To know that the tilt of the Earth and its orbit around the Sun causes the seasons. To know that the Moon orbits around the Earth. To understand how the Earth's rotation causes day and night and the |
| Scientific Knowledge | Factors Affecting Forces | | apparent movement of the Sun across the sky. |



EYFS Development Matters – Explore the Natural World

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- Create opportunities to discuss how we care for the natural world around us.
- Offer opportunities to sing songs and join in with rhymes and poems about the natural world.
- After close observation, draw pictures of the natural world, including animals and plants.
- Observe and interact with natural processes, such as ice melting, a sound causing a vibration, light travelling through transparent material, an object casting a shadow, a magnet attracting an object and a boat floating on water.
- Encourage focused observation of the natural world. Listen to children describing and commenting on things they have seen whilst outside, including plants and animals.
- Encourage positive interaction with the outside world, offering children a chance to take supported risks, appropriate to themselves and the environment within which they are in.
- Name and describe some plants and animals children are likely to see, encouraging children to recognise familiar plants and animals whilst outside.
- Observe and interact with natural processes, such as ice melting, a sound causing a vibration, light travelling through transparent material, an object casting a shadow, a magnet attracting an object and a boat floating on water.
- Guide children's understanding by draw children's attention to the weather and seasonal features.
- Provide opportunities for children to note and record the weather. Select texts to share with the children about the changing seasons.
- Throughout the year, take children outside to observe the natural world and encourage children to observe how animals behave differently as the seasons change.
- Look for children incorporating their understanding of the seasons and weather in their play.



| | | Forces, Earth and S | расе |
|----------------------------|--------------------------------|---|---|
| | | Year 3 Forces and Magnets | Year 5 Unbalanced Forces |
| Understanding | Key Facts | To know some examples of contact and non-contact forces. To know that some forces are a result of contact between two surfaces, but some forces can act at a distance (e.g. magnetism). To know the North and South poles of a magnet. To know some examples of magnetic materials, including iron and nickel, and how they react to a magnet and each other. To know some different examples of magnets, including bar, horseshoe, button and ring, To know some uses of magnets. | To know that gravity is a non-contact force that pulls objects together. To know that air resistance and water resistance are both types of friction. |
| Scientific Knowledge and U | Forces In Motion | To know that friction is a contact force that acts between two surfaces to slow an object down. To know that magnetism is a non-contact force that affects objects containing magnetic metal. To understand that the opposite poles of a magnet attract one another and like poles repel one another. | To know that unsupported objects fall towards the Earth because of gravity. To know that friction, air resistance and water resistance act in the opposite direction to a moving object. To know that when forces are imbalanced, the speed, shape or direction of an object changes. To know that when forces are balanced the speed, shape or direction of an object stays the same. To know that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect. |
| Ň | Factors Affecting Forces | To know that rougher surfaces have more friction between them than smoother surfaces. To understand that the strength of different magnets may vary. | To know that rougher surfaces have more friction between them than smoother surfaces and how that may affect movement. To know that the larger the surface area of an object the greater the air or water resistance it creates. |



Progression of skills

Working scientifically

| | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
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| Posing questions | simple questions. Recognising there are different types of enquiry (ways to answer a question). Responding to suggestions on how to answer questions. | | Beginning to raise further questions during the enquiry process. Considering what makes a testable question. Beginning to recognise that there are different types of enquiry and that they are suitable for different questions. Beginning to make suggestions about how different questions could be answered. | | Raising questions throughout the enquiry process. Identifying testable questions. Selecting the most appropriate enquiry method to answer questions and give justification. | |
| Planning | Beginning to recognise whether a test is fair. With support, deciding if suggested observations are suitable. Ordering a simple method. | | Beginning to select from options which variables will be changed, measured and controlled. Suggesting what observations to make and how long to make them for. Planning a simple method, verbally and in writing. Beginning to write a simple method in numbered steps. Selecting and beginning to decide what simple equipment might be used to aid observations and measurements. | | make and how long to make the Writing a method including de control variables are kept the Writing a method that consider repeated readings. Suggesting the most appropria | ens about what observations to them for. etail about how to ensure same. ers reliability by planning |
| Predicting | Suggesting what might happen, often justifying with personal experience. | | Making predictions about what they think will happen by: Using scientific knowledge and/or personal experience to explain their prediction (because) Beginning to consider cause and effect when making predictions, where appropriate. Predicting a trend by considering how the changing variable will affect the measured variable. (The smoother the surface, the longer the distance the car will travel) | | Making increasingly scientific predictions by: Using previous scientific knowledge and evidence to inform their predictions. Using scientific language to describe a potential outcome or explain why they think something will happen. Making links between topics to evidence a prediction. | |



Progression of skills

Working scientifically

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| Observing (qualitative data) | Using their senses to describe | | | Year 4 | Year 5 | Year 6 | |
|-------------------------------------|--|------------------------|---|---|---|--|--|
| | notice or what has changed. | | | Using their senses to describe, in more detail and with simple scientific vocabulary, what they notice or what has changed. | | Using their senses to describe, in detail and with a broader range of scientific vocabulary, what they notice or what has changed. | |
| Measuring (quantitative data) | Using non-standard units to measure and compare. Beginning to use standard units to measure and compare. Beginning to use simple measuring equipment to make approximate measurements. Reading simple numbered scales. | | Using standard units to measure and compare. Using measuring equipment with increasing accuracy. Reading scales with unmarked intervals between numbers. | | Using standard units to measure and compare with increasing precision (decimals). Reading a wider variety of scales with unmarked intervals between numbers. | | |
| Researching | Gathering specific informatio specified source. | n from one simplified, | Gathering specific information from a variety of sources. | | Gathering answers to open-ended questions from a variety of sources. | | |
| Recording (diagrams) | Drawing and labelling simple diagrams. | | Beginning to draw more scientific diagrams by: Using some standard symbols. Drawing in 2D to produce simple line diagrams. Labelling with more scientific vocabulary. | | vocabulary. | of standard symbols. | |
| Recording (tables) | Using a prepared table to record results including: Numbers. Simple observations. Tally frequency. | | Using a prepared table to record results including more detailed observations. Using tables with more than two columns. Identifying and adding headings to tables. Beginning to design simple results tables. | | Using tables with columns tha Suggesting headings to tables, Designing results tables with i with consideration of variable Calculating the mean average. | , including units. increasing independence s where applicable. | |
| Grouping and classifying | Grouping based on visible cha | | Grouping based on visible cha properties. Populating a pre-prepared bra | | Grouping in a broader range o Organising the layout of numb | | |
| | | | Choosing appropriate questio | Choosing appropriate questions for classification keys. | | tions for classification keys. | |



Progression of skills

Working scientifically

| | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
|--|---|----------------------------|---|--------|--|--|
| Graphing | Representing data using pictograms and block charts. | | Representing data using bar charts. Drawing bars with greater accuracy. Reading the value of bars with greater accuracy. | | Representing data by using line graphs and scatter graphs. Plotting points with greater accuracy. Reading the value of plotted points with greater accuracy. | |
| Analysing and drawing conclusions. | Using their results to answ Beginning to recognise wh do not match their predicti | en results or observations | Writing a conclusion to summarise findings using simple scientific vocabulary. Beginning to suggest how one variable may have affected another. Beginning to quote results as evidence of relationships. Identifying data that does not fit a pattern (anomalous data). Recognising when results or observations do not match their predictions. Beginning to use identified patterns to predict new values or trends. | | Writing a conclusion to summarise findings using increasingly complex scientific vocabulary. Suggesting with increasing independence how one variable may have affected another. Quoting relevant data as evidence of relationships. Identifying anomalies in repeat data and excluding results where appropriate. Comparing individual, class and/or model data to the prediction and recognising when they do not match. Using identified patterns to predict new values or trends. | |
| Evaluating | Beginning to recognise whether a test is fair or not. | | Beginning to identify steps in the method that need changing and suggest improvements. Beginning to identify which variables were difficult to control and suggesting how to better control them. Commenting on the degree of trust by reflecting on: • Results that do not fit a pattern (anomalies). • The quality of results (accurate measurements and maintaining control variables). Beginning to identify new questions that would further the enquiry. | | Identifying steps in the method suggesting improvements. Identifying which variables were suggesting how to control them Commenting on the degree of tr Accuracy (human error Reliability (repeating r Sources of information Posing new questions in response extend the enquiry. Deciding what data to collect to relationships. | e difficult to control and better. rust by also reflecting on: r with equipment). esults). n (e.g. websites, books). se to the data that would |



Progression of knowledge

Science in Action

| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
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| To know about famous scientis | To know about famous scientists throughout history. | | | | |
| To know about a range of jobs a knowledge and methods. | and careers that use scientific | | | | |
| To know about the work of mo | dern-day scientists. | | | | |
| To know about science in the n | ews and recent discoveries. | | | | |
| To know there are spiritual, moral, social and cultural links with Science. | | | | | |
| | | To know about the methods and equ throughout history and how these h | | | |
| | | To know how scientific knowledge h the current understanding of Science | | | |
| | | To know about current scientific res in the future. | earch and what it aims to achieve | | |
| | | To know that mistakes can lead to n | ew discoveries. | | |
| | | To know that collaboration and peer scientific progress. | reviewing is essential for effective | | |
| | | | | To know how scientific evidence is us or arguments. | ed to support or refute ideas |
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