Science is using enquiry to explain the physical and natural world.

<u>Vision</u>

At Oatlands Junior School, we are all scientists! Our children's journey through our exciting, challenging and relevant science curriculum ensures they develop the skills they need to explore, answer questions about and gain a deeper understanding of the world around them.

OJS Curriculum Threads

Our curriculum vision is based upon our knowledge of our pupils and community. Our three curriculum threads are:

- Promote Equality and Diversity
- Provoke Curiosity
- Embed Safe Behaviours



These threads are woven through each subject, alongside individual subject pedagogy, to ensure our learners benefit from a purposeful curriculum.

Fundamental British Values

-Democracy

-Rule of Law

-Individual Liberty

-Respect and Tolerance

The Science curriculum is inclusive and promotes respect, tolerance and appreciation of equality and diversity through its pedagogical approach (see Curriculum Handbook). Children are immersed in interesting and fun topics that develop lively, enquiring minds and are encouraged to celebrate diversity and make links through well-connected knowledge. Links to Spiritual, Moral, Social and Cultural & FBV are made in Year Group OJS Passports and the wider curriculum offer in Science.

National Curriculum Aims

The national curriculum for science aims to ensure that all pupils:

- 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;
- are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.

Planning and Resources

| | At OJS, we follow the National Cur Science documentations. Science is a School and our local secondary scho <u>Wider Offer</u> In Science, our wider offer within the Ayre), trips (Y5 – Arboretum) and s Awards, Scarth's Celebrations and C Great Science Share for Schools. <u>Pupil Voice Groups</u> Through the pupil voice groups, Scie and use this alongside monitoring to <u>Links to other documents:</u> - Curriculum Handbook - OJS Passport - Teaching and Learning Police - Assessment and Reporting p - Key Knowledge Progression | taught in a weekly two-ho pols ensure that our Scien e school day is topic spe secondary school lesson o Datlands Points as well as ence Squad, School Coun o evaluate and adjust whe | our slot in every year gr nce curriculum is fluid a cific visitors (Y3 – physic experiences (Y6). We co celebrating national eve cil and our House Capt | oup. Our close links with nd progressive. otherapist visit, Y5 – Pla elebrate Science through ents such as British Scien ains, we gather pupil fee | th Oatlands Infants Inetarium and Abbie In weekly Achievement Ince Week and the |
|------------|--|---|--|---|--|
| | Autumn I | Autumn 2 | Spring I | Spring 2 | Summer Summer |
| Yea r 3 | The power of forces(Forces: friction and magnets)Key Learning Objectives• compare how things move on different surfaces• notice that some forces need contact between 2 objects, but magnetic forces can act at a distance | Rock detectives (Rocks, soils and fossils) Key Learning Objectives • compare and group together different kinds of rocks on | Amazing bodies (Movement and nutrition for the human body) Key Learning Objectives • identify that animals, including humans, | Can you see me? (Light and shadows) Key Learning Objectives • recognise that they need light in order to see things and that dark is | How does your garden grow? (Flowering plants and plant growth and Flowering plants life cycle) Key Learning Objectives • identify and describe |

| 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 of whether they are attracted to a magnet, and identify some magnetic materials describe magnets as having 2 poles predict whether 2 magnets will attract or repel each other, depending on which poles are facing. Key Vocabulary push pull twist friction gravity Newton Attract Repel Magnetic | of their appearanc e and of 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 trock and organic | ovement. shadows are formed | the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers • explore the requiremen ts 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 the way in which |
|--|--|-------------------------------------|---|
| Wider Offer Investigation of real-life use of forces and exploration of magnetic materials within the local environment. Curriculum Threads | Key Vocabularyes• Mineral• Pro• Mineral• Fib• Metamorphic• Fat• Igneous• Da• Sedimentary• Hi | otein opaque ore • find patterns | which water is transported within plants • explore the part that flowers play |

| All lessons are question-led. Pupils consider the use of forces within our everyday lives and magnetic materials within our local environment. | Durable Ammonite Fossilise Fossil Wider Offer Handling samples of rocks and fossils. | Ball and socket joint Wider Offer Cross- curricular application of scientific learning in PE lessons. Curriculum Three de | Key Vocabulary Light Dark Shadow Opaque Transparent Translucent Luminous Non- luminous Absorb | in the life cycle of flowering plants, including pollination, seed formation and seed dispersal. |
|---|---|---|--|--|
| Comparative and fair testing and will develop skills for safe scientific investigation. Fundamental British Values Discussion around Respect and Tolerance when examining magnets and the idea that 'opposites attract'. | Threads All lessons are question-led. Pupils consider the formation of rocks and exactly why and how rocks are important in our daily lives. Pupils study the work of female palaeontologists of different eras: Holly Betts (contemporary) and Mary Anning and focus on their | Threads Threads Lessons are investigation-led. Pupils ask questions about their own health and explore ways in which to maximise this. Pupils consider whether physical attributes such as lung capacity are affected by height, biological sex and age. | Reflect Refract Spectrum Wider Offer Real-life application of scientific learning to assist solving a fictionalized police investigation Curriculum Threads | Stigma Stamen Style Anther Filament Ovary Ovule Sepal Carpel Seed dispersal Germination Pollination Wider Offer Children support development of the outdoor environment by planting and nurturing their own seedlings |

| | contributions to | | M | in classroom |
|----|--|--|---|--|
| | paleontology. | | | planters. |
| | $\lambda \leq u $ | | All lessons begin with a question that | Curriculum |
| | $\widehat{\textcircled{O}}$ | Pupils develop their | prompts child-led | Threads |
| | | skills in comparative and fair testing and | investigation of a fictionalized theft. |) D |
| 10 | Pupils will practice the enquiry types | ensure sterility of | Children apply | |
| | comparative and fair | equipment used for experimentation | acquired scientific knowledge to | Lessons begin with a question that supports |
| | testing and classifying and grouping. They | such as straws used | identifying the | child-led investigation. |
| | will develop skills for | when investigating lung capacity. | method of the theft and its perpetrator. | Children apply the botanical knowledge |
| | safe scientific investigation. | | | acquired to their own |
| | | Children investigate the requirements for | ₩ [©] ħ | plants and designing a 'perfect' flower. |
| | Fundamental | healthy living and the | Children learn the | |
| | British Values | potential impact of unhealthy | science behind | ^{RO} |
| | Conversations about Respect and | behaviours. | forensic investigation and | Pupils consider the |
| | Tolerance when | Fundamental | profiling. Suspects for the fictionalised | reproduction of plants |
| | identifying the properties of different | British Values | crime investigated | and the concept of biological sex. |
| | rocks and the ways in | Respect and | represent varied | Opportunities exist to |
| | which shared characteristics can be | Tolerance is explored when | backgrounds and characteristics. | address misconceptions |
| | used to group and | pu <mark>pils invest</mark> igate | | relating to gender |
| | classify | their own lung capacities. | | stereotypes. |
| | 14 | | | |
| | CONTROLS NO. | Individual Liberty forms an element of | Pupils discuss the | \bigcirc |
| | | discussions around | importance of keeping our eyes | |
| | | nutrition and the | | |

| | Spring 1 | right to choose the diet you believe to be the best for you. | safe from the sun and opportunity to put into practice ways to mitigate this risk. Fundamental British Values The nature of the investigation leading this unit provokes conversations around the Rule of Law, the reasons behind the necessity of law and the consequences of failing to adhere to laws established. In addition, the role of Democracy in law formation in the U.K. and the Respect and Tolerance of differing laws around the globe can also be touched upon. | Children identify safe and edible plants and know how to approach plants about which we are uncertain. Fundamental British Values Discussion around differing characteristics of plants and biological sex when identifying parts of a flower promote Respect and Tolerance. |
|----------|----------|--|--|---|
| Autumn 2 | Shung | Spring 2 | Summer T | Summer 2 |

| Yea | Where does all that | Classification of | In a state | Good vibrations | <u>Human impact</u> | Switched on |
|-----|-------------------------------------|-------------------------------|-----------------------------|-------------------------------|-----------------------------------|------------------------------|
| r 4 | <u>food go?</u> | <u>plants and animals</u> | (Changes of state) | (Sound) | (Human impact on the | (Electricity: circuits) |
| | (Digestion and food | (Classification of plants | | | environment) | |
| | chains) | and animals) | Key Learning | Key Learning | | Key Learning |
| | | | Objectives | Objectives | Key Learning | Objectives |
| | Key Learning | | compare | identify | Objectives | identify |
| | Objectives | Key Learning | and group | how | recognise that | common |
| | describe the | Objectives | materials | sounds | environments | appliances |
| | simple | recognise | together, | are made, | can change | that run on |
| | functions of | that living | according | associatin | and that this | electricity |
| | the basic parts | things can | to | g some of | can | • construct a |
| | of the digestive | be | whether | them | sometimes | simple series |
| | system in | grouped in | they are | with | pose dangers | electrical |
| | humans | a variety of | solids, | somethin | to living | circuit, |
| | identify the | ways | liquids or | g | things. | identifying |
| | different types | explore | gases | vibrating | | and naming |
| | of teeth in | and use | observe | recognise | Key Vocabulary | its basic |
| | humans and | classificatio | that some | that | Conservation | parts, |
| | their simple | n keys to | materials | vibrations | Deforestation | including |
| | functions | help | change | from | Biodiversity | cells, wires, |
| | | group, | state | sounds | Habitat | bulbs, |
| | construct and | identify | when they | travel | Local | switches and |
| | interpret a variety of food | and name | are heated | through a | Global | buzzers |
| | chains, | a variety of | or cooled, | medium | | identify |
| | identifying | living | and | to the | Wider Offer | whether or |
| | producers, | things in | measure | ear | Children | not a lamp |
| | predators and | their local | or | • find | explore their | will light in a |
| | • | and wider | research | patterns | local | simple series |
| | prey. | environme | the | between | environment | circuit, based |
| | Key Vocabulary | nt | temperatu | the pitch | and | on whether |
| | Oesophagus | | re at | of a | investigate | or not the |
| | Small intestine | Key Vocabulary | which this | sound | the impact of | lamp is part |
| | | characteristic | happens in | and | human | of a complete |
| | Large intestine | feature | degrees | features | activity upon | |
| | Rectum | | | icatul es | this. | |

| Anus | internal | Celsius | | of the | | loop with a |
|-------------------------------|------------------------------|--|--------|-------------------------------|------------------------|--|
| Digestion | | (°C) | | object | Curriculum | battery |
| Canine | Wider Offer | identify the | | that | Threads | recognise |
| Incisor | Children explore their | part played by | | produced | (??)?? | that a switch |
| Premolar | local environment and | evaporation | | it | | opens and |
| Molar | the plants and animals | and | | • find | | closes a |
| Consumer | that inhabit this. | condensation | | patterns | Lessons are | circuit and |
| Consumer | | in the water | | between | investigation-led. | associate this |
| Wider Offer | Curriculum | cycle and | | the | Pupils ask questions | with whether |
| Handling of | Threads | associate the | | volume | about their own | or not a lamp |
| animal skulls | 2007 | rate of | | of a | impact on the local | lights in a |
| and teeth. | | evaporation | | sound | and global | simple series |
| and teeth. | | with | | and the | environment and | circuit |
| Curriculum Threads | Lessons are | temperature. | | strength | explore ways in which | |
| | investigation-led. | | | of the | to ensure positive | recognise some |
| (2) | Pupils ask questions | Key Vocabulary | | vibrations | outcomes of these. | common |
| | about the similarities | Solid | | that | | conductors |
| All lessons are | and differences | Liquid | | produced | | and |
| question-led. Pupils | between animals and | • Gas | | it | ₩ [©] ¶ | insulators, |
| consider their own | use their findings to | Viscous | | recognise | | and associate |
| dietary needs and | classify and group | Melt | | that | Children explore | metals with |
| processes, as well as | based upon | Freeze | | sounds | different uses of land | being good |
| those of others, and | characteristics. | Boiling point | | get | both locally and | conductors. |
| explore the role their | | Water cycle | | fainter as | globally and explain | |
| teeth play in the | | , | | the | why these may vary | Key Vocabulary |
| digestion of food. | | EvaporateCondense | | distance | between regions and | Mains |
| 5 | y y | Condense | | from the | countries. | Battery |
| | | Wider Offer | 70 | sound | | Circuit |
| ST TH | Pupils identify similar | Visit from | | source | Children recognise | Cell |
| Pupils consider | and different | • Visit from Yorkshire | | increases. | that all humans must | Complete |
| whether biological sex | attributes of living | Water to | | | work together to | circuit |
| and age impacts dietary | things and consider | complement | Key Va | ocabulary | ensure the continued | Short circuit |
| requirements and | alternative ways in | learning about | - | Volume | vitality of our shared | Conductor |
| processing. | which these can be | the water | - | Low pitch | environment. | |
| L | | une water | - | Low pitch | | Insulator |





| | Autumn I | Autumn 2 | considered when exploring the different ways in which people may experience sound, or may not experience sound at all.Spring ISpring 2 | Summer I Summer 2 |
|------------|---|---|---|---|
| Yea r 5 | <u>Circle of life</u> (Plant and animal life cycles and Human | Feel the force (Forces and Mechanisms) | The Earth and beyond (Earth and space) Key Learning Objectives | <u>All change</u> (Properties and uses of materials and Separating mixtures and changing materials) |
| | Growth) Key Learning Objectives • describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird • describe the life process of reproduction in some plants and animals. • describe the changes as humans develop to old age. | Key Learning Objectives 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 | describe the movement of the Earth and other planets relative to the sun in the solar system 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. Key Vocabulary Greenwich Meridian Solar system Orbit Axis Full moon New moon Crescent Waxing | Key Learning Objectives 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 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 |

| | recognise that | Waning | demonstrate that dissolving, mixing |
|------------------------|-----------------|--|--|
| Key Vocabulary | some | Equinox | and changes of state are reversible |
| Life cycle | mechanisms | | changes |
| Marsupial | including | Wider Offer | explain that some changes result in |
| Thorax | levers, pulleys | • Visit from the planetarium, allowing | the formation of new materials, and |
| Abdomen | and gears | children to explore more practically | that this kind of change is not usually |
| Antennae | allow a | the solar system and beyond. | reversible, including changes |
| Metamorphosis | smaller force | | associated with burning and the action |
| Evolution | to have a | Curriculum Threads | of acid on bicarbonate of soda. |
| | greater effect. | (19)7 | of acid off blear bonate of soda. |
| Wider Offer | Ŭ | | Key Vocabulary |
| Arboretum | Key Vocabulary | | Soluble |
| visit to explore | Balanced | All lessons begin with a question that | Insoluble |
| the life cycle of | Unbalanced | prompts child-led investigation of the solar | Dissolve |
| plants. | Air resistance | system and the reasons behind our | Reversible |
| | Water | experiencing seasons and differing lengths of | Non-reversible |
| Curriculum Threads | resistance | daytime and nighttime throughout a year in | Oxidise |
| $\overline{(22)}$ | Upthrust | the U.K. | Saturated |
| | Lever | | • Filter |
| | Fulcrum | | Suspension |
| All lessons are | Pivot | | Ductile |
| question-led. Pupils | Pulley | Pupils explore the effect of the U.K.'s | Elasticity |
| consider the different | Newton | location on our seasons and the lengths of | Flammable |
| life cycles and | meter | daytime and nighttime at different points | |
| reproductive methods | | during the year. | Wider Offer |
| of a range of animals | Wider Offer | 5 , | Handling of a variety of materials and |
| and plants and explore | Children | Children recognise that countries in different | exploration of the differing uses of |
| ways in which their | make and use | global locations have a different experience | these. |
| own bodies will change | their own | and explain why this is. | |
| as they grow older. | levers and | | Curriculum Threads |
| | pulleys, | Pupils discuss that Greenwich Mean Time is | (22)? |
| | thereby | used as standard time in only a handful of | |
| | exploring the | countries. | |
| | real-life and | | |
| | practical | | |



| | Tolerance as they learn that different species have differing life cycles and that all humans develop in the same way as they grow older. Pupils discuss lifestyle choices they can make to support their own growth and development, recognising that is is their Individual Liberty that allows this. | Fundamental British Values Respect and Tolerance is promoted via conversations around the actions of objects upon one another and pupils' recognition that even inanimate items can be impacted by one another. | ds Jun | ior sch | | |
|-----------------|--|--|------------------------|-------------------------------|------------------------------|----------------------------------|
| | Autumn I | Autumn 2 | Spring I | Spring 2 | Summer I | Summer 2 |
| Yea | <u>The nature library</u> | Light up your | Danger! Low | Everything | Body pump and | Secondary |
| <mark>r6</mark> | (Classification of living | world | voltage | <u>changes</u> | body health | <u>transition</u> |
| | things) | (What light does) | (Electricity: changing | (Evolution and | (Human circulation | |
| | | | circuits) | inheritance) | and Body health) | Key Learning |
| | Key Learning | Key Learning | 1 | and a second | | Objectives |
| | Objectives | Objectives | Key Learning | Key Learning | Key Learning | identify the |
| | describe | recognise | Objectives | Objectives | Objectives | distinct |
| | how living | that light | associate the | recognise | identify | disciplines of |
| | things are | appears to | brightness of | that living | and | biology, |
| | classified | travel in | a lamp or the | things have | name the | chemistry and |
| | into broad | straight lines | volume of a | changed | main | physics |
| | groups | use the idea | buzzer with | over time | parts of | begin to see |
| | according to | that light | the number | and that | the | the |
| | common | travels in | and voltage of | fossils | human | connections |
| | observable | straight lines | cells used in | provide information | circulato | between these |
| | characteristi cs and based | to explain | the circuit | | ry | subject areas |
| | cs and based | | | about living | system, | in preparation |

| on similarities and differences, including micro- organisms, plants and animals • give reasons for classifying plants and animals based on specific characteristics • Caracteristics • Division • Genus • Species • Colony • Fungi • Arachnids • Arthropods • Micro- organisms • Microbes • Bacteria | that objects are seen because they give out or reflect light into the eye explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them. | 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. Key Vocabulary Current Filament Resistance Resistor Fossil fuels Nuclear | 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 | and describe the functions of the heart, blood vessels and blood recognis e the impact of diet, exercise, drugs and lifestyle on the way their bodies function describe the ways in which nutrients and water are transported | for further study at Key Stage 3. Wider Offer • Visits from and to local secondary schools, offering opportunities to work in scientific laboratories and develop familiarity with Key Stage 3 expectations. Curriculum Threads Children are prepared for secondary study and begin to explore the expectations around and essential elements of safe |
|--|---|---|---|---|---|
| Microbes | as the objects that cast | Resistor Fossil fuels | that adaptation | and water are | and begin to explore the expectations around and essential |

| handling and | Periscope | Safe handling | Inheritance | Key Vocabulary | |
|---|-----------------------------------|--|---------------------------------------|-------------------------------|--|
| grouping | Inverted | of more | Adaptation | Circulation | |
| familiar | | varied | Selective | Aorta | |
| everyday items. | Wider Offer | electrical | breeding | Vena cava | |
| | Children | items and | Natural | Artery | |
| Curriculum Threads | apply their | creation of | selection | Capillary | |
| (2) | learning | own simple, | Genes | Deoxygenat | |
| | about | functioning | Genetics | ed | |
| | shadows and | circuits. | DNA | Oxygenated | |
| All lessons are | their | | | • Plasma | |
| question-led. Pupils | formation to | | Wider Offer | Platelets | |
| consider the way in | the creation | Curriculum | Handling of | Chamber | |
| which different living | of a shadow | Threads | fossils. | Valve | |
| things are grouped and | puppet | (3))3 | 1.07 | Ventricle | |
| suggest why particular | theatre. | | Curriculum | Atrium | |
| characteristics have been chosen for | | | Threads | | |
| classification. | Curriculum | All lessons are | (22))? | Wider Offer | |
| classification. | Threads | question-led. Pupils consider differing | | Cross- | |
| | (3) | ways of constructing | | curricular | |
| | | circuits and explore | Lessons begin with a | application | |
| | | why there is a need | question that | of scientific | |
| Children recognise that | Lessons are investigation-led. | for this variation. | supports child-led | learning in | |
| there is diversity in | Pupils ask questions | | investigation. | PE lessons. | |
| attribute and need | about how we see | | Children explore the | | |
| across all living things and explore the reasons | and explore the ways | M [×] M | ways in which living | Curriculum | |
| behind the | in which shadows can | Children consider | things have changed | Threads | |
| characteristics chosen | be created and | variations in | over a period of | | |
| for different | manipulated. | functionality of | time and suggest reasons for these | 12001 | |
| classifications. | | differing components | adaptations. | | |
| | \square | of a circuit and | auaptations. | | |
| | | suggest why variability | | Lessons are | |
| | | is an essential feature | | investigation-led. | |
| | Pupils consider the | of these items. | | Pupils ask questions | |
| | different ways in | | | | |

| Pupils identify micro- | which living beings | | Children explore the | about their own | |
|-------------------------|--|-------------------------------|--------------------------|---|--|
| organisms and | experience light and | Pupils explore the | similarities and | health and explore | |
| recognise that some | vision, including | harmful impact of the | differences between | ways in which to | |
| can be harmful to | people of varied | use of fossil fuels and | parents and their | maximise this. | |
| human health. | biological sex and | recognise that | offspring and | | |
| | age. | minimising this is a | between varied living | | |
| Fundamental British | | universal | beings. | K"T T"> | |
| Values | | responsibility. | | Pupils consider | |
| Discussion around | | | Pupils learn that, | whether | |
| Respect and | | | whilst families share | characteristics | |
| Tolerance when | Pupils discuss the | | DNA, there remains | including biological | |
| identifying the | importance of | | genetic diversity and | sex and age impact | |
| characteristics used to | keeping our eyes safe from the sun and | Children learn about | differences in | heart function, | |
| classify and group | opportunity to put | the dangers | character even | dietary | |
| different species. | into practice ways to | associated with | among members of | requirements or | |
| F | mitigate this risk. | electricity and learn | the same family. | physical ability. | |
| | Thiligate this fisk. | how to protect | | | |
| | Discussions around | themselves when | Children discuss the | | |
| | sunlight also offer | using electrical | varied needs of | | |
| | opportunties to | equipment. | different species and | | |
| | embed safe sun | | explain why this | | |
| | behaviours. | Pupils discuss the | variability is essential | Pupils learn about | |
| | benaviours. | negative effects of the | for the health and | the impact of drugs | |
| | Fundamental | use of fossil fuels | survival of all. | including nicotine on | |
| | | upon the | | the human body. | |
| | British Values | environment and | | Children investigate | |
| | Respect and | their own physical health. | | Children investigate | |
| | Tolerance are | neaith. | Children are taught | the requirements | |
| | considered when | F . 1 | both the positive and | for healthy living and the potential impact | |
| | exploring the | Fundamental | negative | of unhealthy | |
| | different ways in | British Values | consequences of | behaviours. | |
| | which people may | Individual Liberty | selective and cross- | Denaviours. | |
| | experience light and | is discussed when | breeding of species. | | |
| | vision, or may not | children explore | | | |

| experience light and vision at all. Individual Liberty is raised as children consider that they have a right to choose the way in which they protect themselves from the potentially harmful impact of sun exposure. | different forms of electricity and recognise that they have the right to choose the quantity and type of power they use. The Rule of Law is referenced when fossil fuels are considered, as well as the steps governments are taking to reduce carbon consumption. Democracy may subsequently be raised as pupils consider from where governments making these decisions receive their mandates. | Fundamental British Values Respect and Tolerance are discussed as children learn that even within families there exist differences of genetics and personality. Conversations around selective and cross-breeding involve the Rule of Law as children are taught why some breeding choices are legally prohibited. | FundamentalBritish ValuesRespect andTolerance areconsidered whenexploring thedifferentexperiences peoplemay have of hearthealth.Individual Libertyis raised as childrenlearn they have theright to choose howthey support theirown health.The Rule of Law isan essential elementof learning aboutdrug use. | |
|---|--|---|--|--|
|---|--|---|--|--|