

SCIENCE OVERVIEW 2023-24

	ghlighted based on their scientific AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2			
EYFS	EYFS Statutory Framework: Understanding the World Early Learning Goal 15 - 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								
	Some further examples may include evidence of Using the sense to explore Explore how things work Plants seeds and care for growing plants Understand the life cycle of a plant and an animal Begin to learn about respect and care for the environment Talk about different forces e.g. push pull stretch Talk about the differences between materials and changes they notice Recognise that some environments are different Further detail outlined for EYFS can be found in the DfE non-statutory guidance Development Matters document and the school's EYFS Skills and Progression document								
Why now? Next steps	Children first need to make sense of the Year 1 – animals including humans about Year 1 – animals including humans – a Year 1 – Plants – watch them grow and Year 1 – Seasonal changes – observe	eir physical world through rich and enga but me – healthy habits, how to look after bout animals – what do animals need to observe them, name parts of plants, na- changes, describe those changes, know	live? Caring for animals, offspring, unde me different plants, learn that some plant	rstanding what carnivores, omnivores and sonly grow at certain times of the year	y, adult lead activities and the opportunit	y to develop language is key.			
YEAR 1	Animals including humans – about me	Seasonal changes	Exploring everyday materials	Exploring everyday materials	Plants	Animals including humans – about animals			
National Curriculum Objectives	 Identify/name a common animals(fish, amphibians, reptiles, birds and mammals- Mr Fab) & describe/compare their structures Identify/name carnivores, herbivores and omnivores Name, draw basic human parts plus senses 	observe changes across the 4 seasons and describe weather associated with the seasons and how day length varies	 distinguish between an object and the material from which it is made identify/name a everyday materials, inc wood, plastic, glass, metal, water, and rock& describe the simple physical properties of them compare and group everyday materials on the basis of their simple physical properties 	 distinguish between an object and the material from which it is made identify/name a everyday materials, inc wood, plastic, glass, metal, water, and rock& describe the simple physical properties of them compare and group everyday materials using their simple physical properties 	name plants (wild/garden) inc deciduous/evergreen trees & describe structures within	Identify/name a common animals (fish, amphibians, reptiles, birds and mammals- Mr Fab) & describe/compare their structure Identify/name carnivores, herbivores and omnivores Name, draw basic human parts plus senses			
Why now?	 To support setting healthy habits as early as possible Unit builds foundations for understanding a broader group of animals in summer 2 Children should be the most confident to discuss their own bodies and how they use them 	 Opportunity to see seasonal changes across this term more evident Supports knowledge for plants unit later in the year 	Must precede use of materials unit. They must explore them before using them Supports DT project	Builds on foundation knowledge of materials unit in spring 1 Supports the DT project	 Opportunity to grow plants and observe in finer weather Supported knowledge from autumn 2 seasonal changes so children can use this foundation knowledge for planting and care of plants 	 Must go after about me unit at start of the year. Building a broader knowledge of animals Accompanies the White Post Farm visit 			
Previous knowledge	EYFS 'Understanding the world'	EYFS 'Understanding the world'	EYFS 'Understanding the world'	 EYFS 'Understanding the world' Year 1 exploring everyday material 	EYFS 'Understanding the world'	EYFS 'Understanding the world'			
Next Steps	 Year 1 2 x animal including humans unit (autumn 1 and summer 2) Year 2 animals including humans – growth Year 3 animals inc – what makes us Year 4 animals inc – food and digestion Year 5 – life cycles of humans Year 6 – heart and health / blood and transport in blood 	 Year 2 – living things and their habitats x 2 units Year 2 - plants growth and care Year 3 plants and life cycles Year 3 light Year 4 – living things nature and environment Year 5 – space Year 6 - light 	 Year 1 use of everyday materials Year 2 everyday materials Year 3 – light / rocks / forces and magnets (all discuss properties of materials) Year 4 – states of matter / sound /electricity units all support knowledge of materials Year 5 – properties of materials and changes in materials (2 x unit) Year 6 light / electricity both support materials 	 Year 1 use of everyday materials Year 2 everyday materials Year 3 – light / rocks / forces and magnets (all discuss properties of materials) Year 4 – states of matter / sound /electricity units all support knowledge of materials Year 5 – properties of materials and changes in materials (2 x unit) Year 6 light / electricity both support materials 	 Year 2 Plants – growth and care Year 3 plants and life cycles Year 3 exploring the world of plants Year 4 living things and their habitat – classification / nature and the environment Year 5 studying living things Year 6 living things and their habitats (microorganisms) Year 6 evolution and inheritance 	 Year 2 animals including human – growth Year 3 animals inc – what make us Year 4 animals inc – food and digestion Year 5 – life cycles of humans Year 6 – heart and health / blood and transport in blood 			

YEAR 2	Animals including humans Growth (diet and health)	Living things and their habitats	Uses of Everyday materials	Living things and their habitats around the world	Animals including humans – life- cycles	Plants -
National Curriculum Objectives	 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 	 Explore/compare living, dead, and things that have never been alive identify that most living things live in habitats to which they are suited - say how habitats meet basic needs of living things and how they depend on each other identify/name a variety of plants& animals in their habitats, including microhabitats describe how animals get food from plants & other animals -idea of a simple food chain, and identify/name sources of food 	Identify & compare the suitability of everyday materials, including wood, metal, plastic, glass, 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	 Explore/compare living, dead, and things that have never been alive identify that most living things live in habitats to which they are suited - say how habitats meet basic needs of living things and how they depend on each other identify/name a variety of plants & animals in their habitats, including microhabitats describe how animals get food from plants & other animals -idea of a simple food chain, and identify/name sources of food 	 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 	observe and describe how seeds/bulbs grow into mature plants find out and describe how plants need water, light and a suitable temperature to grow and stay healthy
Why now?	To support setting good habits for the year Must precede animals inc humans' growth unit to support that understanding of life cycles and how this may be impacted by our diets and other habits which impact our life cycles (duration)	Observations of things in different life stages outside become more possible Must precede next unit for living things in spring 2 to build foundations of knowledge	Supplements the history unit (titanic) Supports knowledge to construct in the DT project	 Most follow previous unit Living things and their habitats from autumn 2– builds on understanding of food chains Support the year group visit to Yorkshire Wildlife Park 	Supports delivery of RSE lessons Needs latter stages of year 2 for maturity/understanding	Opportunities to grow and observe plants in finer weather builds on earlier unit this year of habitats (an opportunity to put knowledge into practice)
Previous knowledge	Year 1 2 x animal including humans unit (autumn 1 and summer 2)	Year 1 -plants (care, varieties, label parts) Year 1 – seasonal changes	Year 1 exploring and then using every day materials	 Year 1 -plants (care, varieties, label parts) Year 1 – seasonal changes 	Year 1 animals inc humans – me and animals (2 x unit) Year 2 animals inc humans' diet and health	 Year 1 seasonal changes Year 1 plants Year 2 2 x unit living things and habitats/habitats around the world
Next Steps	 Year 2 - animals including humans – growth Year 3 - animals inc – what makes us Year 4 - animals inc – food and digestion Year 5 – life cycles of humans Year 6 – heart and health / blood and transport in blood 	 Year 2 - Plants – growth and care Year 3 - plants and life cycles Year 3 - exploring the world of plants Year 4 - living things and their habitat – classification / nature and the environment Year 5 - studying living things Year 6- living things and their habitats (microorganisms) Year 6- evolution and inheritance 	 Year 3 – light / rocks / forces and magnets (all discuss properties of materials) Year 4 – states of matter / sound /electricity units all support knowledge of materials Year 5 – properties of materials and changes in materials (2 x unit) Year 6 - light / electricity both support materials 	 Year 2 - Plants – growth and care Year 3 - plants and life cycles Year 3 - exploring the world of plants Year 4 - living things and their habitat – classification / nature and the environment Year 5 - studying living things Year 6 - living things and their habitats (microorganisms) Year 6 - evolution and inheritance 	 Year 3 - animals inc humans what makes us Year 4 - animals inc humans' food and digestion Year 5 - human life cycles / plant life cycles Year 6 - heart health/ blood and transport (x units) Year 6 evolution and inheritance 	 Year 3 – plants and life cycles Year 3 – exploring the world of plants Year 4 – living things and their habitats – classification and environment Year 5 – studying living things Year 6 – living things and their habitats (micro-organisms)

YEAR 3	Light	Rocks	Forces and magnets	Plants	Plants part 2	Animals including humans –
National Curriculum Objectives	 recognise we need light to see things dark is the absence of light notice that light is reflected recognise sun light can be dangerous and that there are ways to protect their eyes recognise that shadows = light source is blocked by opaque objects find patterns in the way that the size of shadows change 	Compare/group rocks by their look and simple physical properties describe in simple terms how fossils are formed (lived & trapped in rocks) recognise that soils are made from rocks and organic matter	 compare how things move on different surfaces notice that some forces need contact between 2 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 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 	 Identify/describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers explore the needs of plants (air, light, water, nutrients from soil, and room to grow) and how this varies investigate water transportation in plants explore the part that flowers play: pollination, seed formation & seed dispersal 	Identify/describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers explore the needs of plants (air, light, water, nutrients from soil, and room to grow) and how this varies investigate water transportation in plants explore the part that flowers play: pollination, seed formation & seed dispersal	Animals inc humans need: right types & amount of nutrition, cannot make their food; nutrition comes from what they eat humans and some animals have skeletons and muscles: support, protection and movement
Why now?	 Weather permits better investigations of light and shadows and allows outdoor science to take place Observations of light changes during this term will be possible Avoids same use time of equipment of year 6 	 Supports history and English units to be explored next half term (preparation work) which develops vocab etc Must be taught before forces and magnets – where rock knowledge will be required to support understanding of magnets, friction etc 	Develops on ideas taught about rocks	Weather permits the beginning of observing and growing plants around school and inside classroom Supports understanding of the next unit – exploring plants	Develops further on understanding of plant life cycles	A more technical and challenging study of muscles, ligaments and skeleton so left until the end of year for maturation of pupils
Previous knowledge	Year 1 – seasonal changes Year 1 – use of everyday materials (reflective surfaces)	 Year 2 - identify and compare materials Year 1 - materials – distinguish what they are made of and group according to features 	Year 2 – materials (squishing and bending materials)	 Year 1 - seasonal changes Year 1 - plants Year 2 - 2 x unit living things and habitats/habitats around the world 	 Year 1 - seasonal changes Year 1 - plants Year 2 - 2 x unit living things and habitats/habitats around the world Year 3 - plants and life cycles 	 Year 2 – animals inc humans diet and health Year 2 - animals inc humans growth Year 1 – (parts of the body, changes, importance of looking after yourself)
Next Steps	 Year 5 – materials grouping according to properties Year 5 - space Year 6 - light KS3 - waves (human eye, light waves) 	 Year 3 - forces and magnets Year 4 - states of matter (solids, liquids, gases, condense/evaporate, weathering. Year 5 - earth and space (big bang theory characteristics of different planets) Year 5 forces (sinking and floating, gravity and resistance) 	 Year 4 - electricity Year 5 - earth and space Year 5 - forces Year 6 - electricity 	 Year 3 – exploring the world of plants Year 4 – living things and their habitats – classification and environment Year 5 – studying living things Year 6 – living things and their habitats (micro-organisms) 	Year 4 – living things and their habitats – classification and environment Year 5 – studying living things Year 6 – living things and their habitats (micro-organisms)	 Year 4 - animals inc food and digestion Year 5 - plants and human life cycle Year 6 - living things (organism reproduction -fungus/mould) Year 6 - animals including humans blood and transportation (nutrients and water in blood along with waste products)

YEAR 4	Animals including humans – food and digestion	Living things and their habitat – habitats	Classifying living things and their habitats – conservation	States of matter	Electricity	Sound
National Curriculum Objectives	 describe the simple functions of the basic parts of the digestive system in humans identify types of teeth in humans and their simple functions construct and interpret a variety of food chains, identifying producers, predators and prey 	 living things can be grouped in diff ways explore/use classification keys to help group, environments can change and this can be dangerous to living things 	 living things can be grouped in diff ways explore/use classification keys to help group, environments can change and this can be dangerous to living things 	 compare and group materials: solids, liquids or gases some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C) identify the parts played by evaporation, condensation in the water cycle the rate of evaporation determined by temperature 	Name appliances that run on electricity construct a simple series electrical circuit: name parts: cells, wires, bulbs, switches and buzzers Bulbs work in a closed circuit A switch can determine if bulb lights recognise some common conductors and insulators, and associate metals with being good conductors	 identify how sounds are made, associating some of them with something vibrating and that vibrations from sounds travel through a medium to the ear find patterns between the pitch of a sound and 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
Why now?	Works with history unit Egyptians (Spring 1). Gaining knowledge before hand is key to supporting their learning. Will support healthy habits at school/home.	 Must precede conservation unit for year 4 Weather should permit for work outside using/recording water Changes in ecosystems may be observed as weather changes quickly in this term 	Must follow the understanding of habitats taught in previous unit in year 4	 Must be learned before sound and electricity as it supports the content in that unit Conceptually required for next two units Will support DT project 	 Avoids year 6 using equipment at same time Builds on understanding learned in states of matter Supported by knowledge used/gained for electrical DT project 	Must be preceded by states of matter unit Conceptually more difficult so must be in latter part of the year
Previous knowledge	 Year 3 – Animals inc humans (nutrition and keeping healthy) Year 2 - animals inc humans – growth, diet and health Year 1 – (parts of the body, changes, importance of looking after yourself) 	 Year 3 - plant life cycles and exploring the world of plants Year 2 - plant growth and care Year 1 - plants and seasonal changes 	 Previous unit Year 3 - plant life cycles and exploring the world of plants Year 2 - plant growth and care Year 1 - plants and seasonal changes 	 Year 3 - rocks Year 3 - forces and magnets (magnetism, poles, friction) Year 2 - everyday materials Year 1 - materials (absorbent, grouping, transparent, opaque) 	First encounter of learning about electricity as a distinct unit	Year 1 – senses Sound is explored in music lessons across all year groups
Next Steps	Year 5 – plants and human life cycle Year 6 – living things (organism reproduction -fungus/mould) Year 6 – animals including humans' blood and transportation (nutrients and water in blood along with waste products)	 Year 4 - classifying living things Year 5 - human life cycles Year 6 - living things and their habitats (micro-organisms, reproduction) Year 6 - evolution and inheritance – external factors/pressures on selection 	Year 5 - human life cycles Year 6 - living things and their habitats (micro-organisms, reproduction) Year 6 - evolution and inheritance – external factors/pressures on selection, Charles Darwin , Mammals Reptiles Fish Amphibians Birds MRS GREN -what all living things do.	 Year 5 - forces Year 5 - Earth and space Year 5 - materials (2 x unit) 	Year 6 electricity – circuits, conductors, insulators, circuit symbols, history of electrical appliances, currents KS3 - electricity and magnetism – electric fields, electric charge, circuits, components Resistance	KS3 - waves unit (audible sounds, microphones, distance travelled)

YEAR 5	Properties of materials	Changes of materials	Forces	Earth and space	Studying living things	Animals including humans – the human life cycle
National Curriculum Objectives	 Compare/group materials based on their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets 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 to use certain materials based on tests/evidence demonstrate reversible changes: dissolving, mixing 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 	 Compare/group materials based on their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets 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 to use certain materials based on tests/evidence demonstrate reversible changes: dissolving, mixing 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 	explain what gravity is: an invisible force 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	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	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
Why now?	Must precede the changes unit to build that foundation knowledge Must be done before spring term DT project	Must follow properties of materials Must go before DT project in spring term Weather restrictions may limit science outside	 Must complete before earth and space Supports knowledge of DT project (pulleys and gears in spring term) 	 Must go after forces unit and materials Conceptually more challenging so should go in latter half of year 	 Weather permits planting and investigating outside/classroom Must precede human life cycle 	 Supports the RSE unit Must go after life-cycles etc for plants
Previous knowledge	 Year 4 - states of matter –(solid, liquid, gas) Year 4 - electricity (conductors and insulators) Year 3 - forces and magnets (magnetic) Year 3 - rocks (rock types and formation, weathering of rocks) Year 2 - everyday materials Year 1 - everyday materials and exploring their use (magnets, certain materials for jobs, natural and man-made) 	 Year 5 - Properties of materials Year 4 - states of matter –(solid, liquid, gas) Year 4 - electricity (conductors and insulators) Year 3 - forces and magnets (magnetic) Year 3 - rocks (rock types and formation, weathering of rocks) Year 2 - everyday materials Year 1 - everyday materials and exploring their use (magnets, certain materials for jobs, natural and man-made) 	Year 3 - forces and magnets (magnet types, friction, north/south pole)	Year 5 - forces Year 4 - states of matter — (changes with temp, freezing/melting, condense/evaporate)	 Year 4 - living things and their habitat – nature and the environment Year 4 - classifying living things and their habitats Year 3 - plant life cycles and exploring the world of plants Year 2 - plants growth and care Year 1 – plants and seasonal changes 	 Year 5 – studying living things life cycles Year 2 – animals including humans' growth Year 1 – about me and about animals (2x units) (senses body parts, growth, taking care, what animals need to live, where birds live, carnivores/herbivores)
Next Steps	 Year 5 - changes of materials Year 6 - electricity – insulation/conductors Year 6 - light – opaque/transparent etc KS3 - matter – solids, liquids, gas 	Year 5 - changes of materials Year 6 - electricity — insulation/conductors Year 6 - light — opaque/transparent etc KS3 - matter — solids, liquids, gas KS3 matter — chemical changes, process of change , diffusion Potential energy	KS3 - forces and motion — resultant forces, friction and overcoming it, balanced and unbalanced forces	KS3 - Earth and space — atmosphere, rock cycles, internal structure of the earth, gravity, orbit, stars and galaxies	Year 5 - human life cycles Year 6 - living things and their habitats (micro-organisms, reproduction) Year 6 - evolution and inheritance – external factors/pressures on selection	KS3 - reproduction Changes in adolescence, menstrual cycles, conception to birth

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YEAR 6	Animals including humans – heart and health	Animals including humans – blood and transportation	Electricity	Light	Living things and their habitat	Evolution and inheritance
National Curriculum Objectives	 Name, find, give functions of parts of human circulatory system, and describe 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 	 Name, find, give functions of parts of human circulatory system, and describe 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 	 associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the 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 	recognise that light appears to travel in straight lines and use this 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 objects that cast them	describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including microorganisms, plants and animals give reasons for classifying plants and animals based on specific characteristics	 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 that are not identical but similar to them identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution
Why now?	Begins the understanding of blood function before development in the next unit Knowledge supports a piece of writing in English unit (reports/inform) Children will have some conceptual understanding of heart and health to build confidence in the unit	Follows heart health unit and builds on knowledge of blood Must be taught before evolution to support unit knowledge	Avoids using equipment as year 4 need it Develops understanding of energy in support of light unit next Supports the use of DT equipment and skills during the electrical components project in summer term	Builds on knowledge of year 3 light unit Fair light conditions permit use of light/shadows experiments Conceptually more challenging so should be taught in latter half of the year	Weather conditions will permit for time outside and plant growth observations Supports the development of next unit (evolution)	Most complex unit to understand Must understand animals unit before this is learned as it requires knowledge of systems, life-cycles and characteristics of living things
Previous knowledge	Year 5 – human life cycle (gestation, adolescence, old age, changes) Year 4 – food and digestion (saliva, teeth, intestines, vitamins and minerals, food chains) Year 3 – what makes us (muscles, skeleton, healthy food) Year 2 Year 1 – about me and about animals (2x units) (senses body parts, growth, taking care, what animals need to live, where birds live, carnivores/herbivores)	Year 6 – heart health (previous unit) Year 5 – human life cycle (gestation, adolescence, old age, changes) Year 4 – food and digestion (saliva, teeth, intestines, vitamins and minerals, food chains) Year 3 – what makes us (muscles, skeleton, healthy food) Year 2 Year 1 – about me and about animals (2x units) (senses body parts, growth, taking care, what animals need to live, where birds live, carnivores/herbivores)	Year 4 - electricity – how to use it safely, circuit names, setting up circuits, build series and parallel circuits Conductors and insulators	Year 4 - light unit (formation of shadows, using reflection periscopes, danger of light rays, light enables us to see)	Year 5 - studying living things Year 4 - living things and their habitat – nature and the environment Year 4 - classifying living things and their habitats Year 3 - plant life cycles and exploring the world of plants Year 2 Year 1 – plants and seasonal changes	Life cycles of animals and plants Animals – systems in the body Year 3 – rocks (fossil formation) Year 5 – human life cycle (gestation, adolescence, old age, changes) Year 4 – food and digestion (saliva, teeth, intestines, vitamins and minerals, food chains) Year 3 – what makes us (muscles, skeleton, healthy food) Year 2 Year 1 – about me and about animals (2x units) (senses body parts, growth, taking care, what animals need to live, where birds live, carnivores/herbivores)
Next Steps	KS3 - cells and organisation KS3 - reproduction KS3 - nutrition health and digestion KS3 - muscles and skeleton	KS3 - cells and organisation KS3 - reproduction KS3 - nutrition health and digestion KS3 - muscles and skeleton	KS3 - electricity and magnetism – electric fields, electric charge, circuits, components Resistance	KS3 - Energy unit KS3 - Waves unit (includes light reflection, refractions, pinhole cameras, speed of light, parts of the human eye)	KS3 - biology – photosynthesis KS3 - cells and organisation	KS3 - eco-systems and evolution (food-webs, genetics, extinction causes)