



Cycle 1	EYFS (Seasonal changes throughout)	KS1 (Year 1- Seasonal changes throughout)	Year 3 & 4	Year 5 & 6
Autumn 1	Who am I? Observing, noticing the outdoor area around school Looking at and talking about different types of houses and linking this to the children's own homes. Looking at and observing our different features- Eye colour, hair colour etc...	Year 1 - Who am I? What are the different parts of our body called? What are senses and how do we use them? Year 2 -Healthy me- What happens to us as we get older? What do we need to survive? How can we stay healthy?	Teeth and Eating What are the different types of teeth and what are their functions? What happens if we don't look after our teeth? What happens to our food when we eat it? What is a food chain?	Light How does light travel? How is a shadow formed? How do we see? What is white light made up of?
Autumn 2	Time to celebrate Seasonal changes Autumn objects Autumn walk Explore light and dark Learn about different sources of light	Year 1- Materials What is this object made from? Can an object be made from more than one material? What are the properties of this material? How are these materials the same and different? What is the best material for an object? Seasonal changes- Why do leaves fall off trees? (deciduous and evergreen) Year 2- Materials monster Why use this material? What happens to materials if we squash, bend, twist or stretch materials?	States of matter What is a solid, liquid and a gas? Does water exist in any other form? How can we dry these clothes?	Electricity - circuits What doesn't work in this circuit? What happens if I change components in a circuit? How can we use a circuit in a model? What is the impact of the way electricity is made on the environment?
Spring 1	Once Upon a Winter's Tale Look for clues relating to stories using a magnifying glass Seasonal changes- Winter Water changes- from ice to steam	Year 1- Living things Which animals live in a forest? (birds, mammals) Do fish live in the forest? What do these animals eat? Year 2 -Young Masterchef What do we need to survive? Which foods are right for you to eat? Why is it important to look after our bodies? (hygiene)	Living Things Who am I? (How do we classify living things?) What are vertebrates and invertebrates? How have habitats been altered by humans?	Changes in Materials What are the properties of materials and their uses? How can I separate mixtures? What are reversible and irreversible changes?
Spring 2	Where will it grow? Seasonal changes- Spring Living things in the environment Plants- Different parts and needs of plants Farm animals and Farm vehicles- Facetime a Farmer Life cycle of animals	Year 1- Vertebrates Which creatures live in the sea? How are fish different from humans? Where do frogs and lizards live? Year 2- Move it What happens to the shape of my object when I squash, bend, twist or stretch it? How will my object move differently?	What's That Sound? Learn about how different sounds are made How are sounds made? What happens when the sound is louder? How can we muffle sound?	Circle of life (Living things and their habitats) How do plants reproduce? The differences in life cycles of mammals, amphibians, insects and birds. Process of reproduction in some animals
Summer 1	Heroes who help us Learn about the different equipment people use when they are at work. How can we keep ourselves healthy? Who can help us to keep healthy? Learn about the role of doctors and nurses How can we keep our teeth healthy? Learn about the role of dentists	Year 1- Plants Which plants and trees can we see in our area? How are wild plants different from garden plants? What are the different plants called? What are the different parts of plants and trees? Year 2- Young gardeners What are the names of different plants? How do seeds and bulbs grow into plants? What do plants need to stay and grow healthy?	Super Science Topic – Bubbles Observing how materials change state Which solution gives us the best bubble?	Dinosaurs - Researching and presenting information. How can I measure accurately? What does my data tell me? Do I agree with other peoples results? Is my evidence good enough?



Science overview

Summer 2	Ticket to ride Seasonal changes- Summer Discuss differences and similarities between different seasons Forces- How can we make cars move down a ramp? Talk about why this happens Identify features within the environment Compare and contrast different places Help children to differentiate between land and water	Year 1- Animal Safari Which creatures live in the garden? What do they eat? Year 2-Mini worlds Which things are living, dead or have never been alive? What are the habitats/microhabitats of different plants and animals? Why do animals/plants live in those habitats? Where do animals get their food from?	Power it up Electricity and circuits How does a circuit work? How can we stay safe with electricity? How are circuits used in construction?	Animals including humans What is the circulatory system and its function? How does exercise affect the body? How can I keep a healthy lifestyle?
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Cycle 2	EYFS (Seasonal changes throughout)	KS1 (Year 1- Seasonal changes throughout)	Year 3 & 4	Year 5 & 6
Autumn 1	Who am I? Observing, noticing the outdoor area around school Looking at and talking about different types of houses and linking this to the children's own homes. Looking at and observing our different features- Eye colour, hair colour etc...	Year 1 - Who am I? What are the different parts of our body called? What are senses and how do we use them? Year 2 -Healthy me- What happens to us as we get older? What do we need to survive? How can we stay healthy?	Magnets Which forces do magnets produce? Which materials are magnetic? What is a magnetic pole?	Evolution How are we similar and different to each other? How are plants and animals suited to their environment? How do living things change over time and place?
Autumn 2	Time to celebrate Seasonal changes Autumn objects Autumn walk Explore light and dark Learn about different sources of light	Year 1- Materials What is this object made from? Can an object be made from more than one material? What are the properties of this material? How are these materials the same and different? What is the best material for an object? Seasonal changes- Why do leaves fall off trees? (deciduous and evergreen) Year 2- Materials monster Why use this material? What happens to materials if we squash, bend, twist or stretch materials?	The moon What does the moon look like? How do rockets work? Who won the Space race? What do astronauts eat? What factors affect the design of a space suit?	Earth and Space How are the planets in our solar system organised? How do the planets and the moon move? How do we have night and day?
Spring 1	Once Upon a Winter's Tale Look for clues relating to stories using a magnifying glass Seasonal changes- Winter Water changes- from ice to steam	Year 1- Living things Which animals live in a forest? (birds, mammals) Do fish live in the forest? What do these animals eat? Year 2 -Young Masterchef What do we need to survive? Which foods are right for you to eat? Why is it important to look after our bodies? (hygiene)	Plants What are the different parts of a plant and their functions? How is water transported in plants? What do plants need to live and grow? How do flowers spread their seeds?	Growing up and growing old (Animals including humans) What are the changes that happen as we develop? What is the impact of living longer?
Spring 2	Where will it grow? Seasonal changes- Spring Living things in the environment Plants- Different parts and needs of plants Farm animals and Farm vehicles- Facetime a Farmer Life cycle of animals	Year 1- Vertebrates Which creatures live in the sea? How are fish different from humans? Where do frogs and lizards live? Year 2- Move it What happens to the shape of my object when I squash, bend, twist or stretch it? How will my object move differently?	Light and shadows What is a reflection? How are shadows formed? How have mirrors developed over the years?	Forces How do different objects fall? Which forces slow things down? How do levers, pulleys, springs and gears transfer force and motion?
Summer 1	Heroes who help us Learn about the different equipment people use when they are at work. How can we keep ourselves healthy? Who can help us to keep healthy? Learn about the role of doctors and nurses How can we keep our teeth healthy? Learn about the role of dentists	Year 1- Plants Which plants and trees can we see in our area? How are wild plants different from garden plants? What are the different plants called? What are the different parts of plants and trees? Year 2- Young gardeners What are the names of different plants? How do seeds and bulbs grow into plants? What do plants need to stay and grow healthy?	Rocks What are the different types of rocks and their properties? Where does soil come from? How are fossils formed?	CSI Module Exploring different types of scientist What is a scientist and what are the different ways in which they work? How do forensic scientists work? How do scientists share their discoveries?



Science overview

Summer 2	<p>How have we grown and changed? Look at the changes that have occurred during the year to themselves and to the natural world.</p> <p>How can we look after our world? Create minibeast hotel and observe how</p>	<p>Year 1- Animal Safari Which creatures live in the garden? What do they eat?</p> <p>Year 2-Mini worlds Which things are living, dead or have never been alive? What are the habitats/microhabitats of different plants and animals? Why do animals/plants live in those habitats? Where do animals get their food from?</p>	<p>Animals including humans</p> <p>What is a healthy and balanced diet? What is the skeletal system? How do bones and muscles help us move?</p>	<p>Classifying critters (living things and their habitats)</p> <p>How do we group living things scientifically? What are the differences between vertebrates and invertebrates? What are fungi and microbes? How do we classify plants? Why do we classify?</p>
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