

Science Curriculum Coverage by Year Group (Sept 22)

| | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
|------------------|--|---|--|--|---|--|
| Nursery | * Explore the natural world around them, making observations and drawing pictures. * 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. *Children are encouraged to play in a science-enabling learning environment *Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter. | | | | | |
| Reception | <p style="text-align: center;">All about me Explore the natural world around them. Describe what they see, hear and feel whilst outside. Understand the effect of the changing seasons on the natural world around them. Manage their own basic hygiene and personal needs, including dressing, going to the toilet.</p> <p style="text-align: center;">Seasonal changes Autumn changes Winter changes Understanding the effect of the changing seasons around them.</p> <p style="text-align: center;">Plants Forest schools – Exploring the natural world around them, making observations and drawing pictures of animals and plants.</p> | | <p style="text-align: center;">Animals Forest schools – Exploring the natural world around them, making observations and drawing pictures of animals and plants.</p> <p style="text-align: center;">People who help us Demonstrating and talking about how they look after themselves Talking about other people that look after them Talking to a dentist, nurse, meal supervisor/school cook, road crossing supervisor etc. Sharing videos of people who care for us and how we look after ourselves</p> <p style="text-align: center;">Seasonal changes Spring changes Winter changes Understanding the effect of the changing seasons around them.</p> | | <p style="text-align: center;">Seasonal changes Summer changes Spring changes Understanding the effect of the changing seasons around them.</p> <p style="text-align: center;">Animals Caring for eggs and the young animals that emerge, such as chicks, caterpillars, frogs Sharing books with information about animal life cycles (fiction and non-fiction) Watching videos and Looking at and matching pictures of animals and their young</p> <p style="text-align: center;">Plants Forest schools – Exploring the natural world around them, making observations and drawing pictures of animals and plants. Exploring how planets can change depending on the season.</p> | |
| Year 1 | Humans Are humans amazing? | Animals Why are humans not like tigers? | Everyday Materials What materials would an alien use to build a spaceship? Why? | Plants Which plants would we find in our local area? | Seasons Do the seasons help us make choices? | STEM PROJECTS |
| Year 2 | Materials What is our school made of? | | Animals including humans How do we get bigger, stronger and healthier? | Living things and their habitats Is a house always a home? | Plants Why are plants important to all of us? | STEM PROJECTS |
| Year 3 | Rocks Where do rocks and fossils come from? | Lights How do we see? | Forces and Magnets How do things move? | Animals & humans How do we stand tall? | Plants What does a plant need to survive? | STEM PROJECTS |
| Year 4 | Sound What was that sound? | Electricity How do light bulbs work? | States of Matter What's the state of this matter? | Animals including Humans Where does our food go? | Living things and their habitats How do living things survive? | STEM PROJECTS |
| Year 5 | Space Why is it so hard to visit other planets? | Separating materials How can we take the salt out of the sea? World Science day 10/11 | Forces Why does our world depend on forces? | Living thing and their habitats How does life create more life? British Science week 05/3 – 14/3 | Animals including humans How different will I look when I'm older? | STEM PROJECTS |
| Year 6 | Animals including humans (Circulatory system) | Light | Inheritance | Evolution | Characteristics of Living Things | Electricity STEM PROJECT (Linked to electricity) |