

Orange Blocks – Physics Green Blocks – Biology Blue Blocks – Chemistry

Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	The Early Years Foundation Stage curriculum supports children’s understanding of science through the planning and teaching of ‘Understanding the World.’ Children find out about objects, materials and living things using all of their senses, looking at similarities, differences, patterns and change. Both the environment and skilled practitioners foster curiosity and encourage explorative play. Children are motivated to ask questions about why things happen and how things work. They are encouraged to use the natural environment around them to explore. Children enjoy spending time outdoors in the forest area, exploring mini-beasts and their habitats, observing the changing seasons, plants and animals. They also participate in cookery and baking sessions which allow them to experience changes in state as ingredients are mixed, heated and cooled.					
Year 1	Everyday Materials	Using our Senses	Looking after Animals	Everyday Materials	Plant Detectives	Looking after Animals
Year 2	What’s in your Habitat?	Materials Good Choices	Materials Shaping Up	The Apprentice Gardener	Growing Up	Take Care
Year 3	The Power of Forces	Can you see me?	Rock Detectives	Amazing Bodies	How does your Garden Grow?	How does your Garden Grow?
Year 4	Where does all the food go?	Good Vibrations	In a State	Switched On	Where does all that food go?	Who am I? Human Impact
Year 5	The Earth & Beyond	Get Sorted Everyday Materials	Feel the Force	Circle of Life Reproduction of Plants & Animals	Marvellous Mixtures	Materials all Change
Year 6	Everything Changes	Light up your World	Body Pump	Danger! Low Voltage	Nature Library	Body Health
	Throughout the year, all year groups cover ‘Our Changing World’					

Working Scientifically

Early Years Foundation Stage

- Ask questions
- Perform simple tests
- Use senses to closely observe and notice changes
- Talk about what is observed
- Make simple records of what is observed and what has changed
- Sort and match
- Find things that are similar or different

Key Stage 1

- Ask questions and recognise that they can be answered in different ways
- Perform simple tests using equipment
- Say why a test is fair
- Observe and measure
- Use books, videos, the internet, people and photos to find answers
- Record information
- Look for patterns – identifying and classifying
- Gather and record data, and explain results

Lower Key Stage 2

- Ask relevant questions
- Set up enquiries, choosing appropriate equipment
- Set up fair tests, with support
- Carefully observe and accurately measure
- Record information using tables, tally charts, bar charts and Venn and Carroll diagrams
- Explain results and draw conclusions

Upper Key Stage 2

- Use scientific knowledge to ask questions
- Plan different types of enquiry, controlling variables where necessary
- Accurately measure using scientific equipment
- Recognise when to use other sources to answer questions
- Separate opinion from fact
- Record data, taking repeating measurements and calculating a mean when necessary
- Use and develop keys to identify and classify living things and materials
- Use scientific language when drawing conclusions
- Evaluate plans and results and suggest improvements