



	Autumn Term	Spring Term	Summer Term
Nursery	Marvellous me! People who help us Use senses and hands on exploration of natural materials Talk about what they see Recycling Week Caring for the natural environment	Once upon a time Exploring Spring Time Talk about different materials and changes e.g. ice investigations Caring for the natural environment Plant seed and care Understand the life cycle of a plant Making playdough	What a wonderful world Caring for the natural environment Understand key features of animal lifecycles
Reception	Marvellous me! Visit to Burslem Park – Seasonal changes/exploring the natural world around them/describing what they see, hear and feel whilst outside Autumn non-fiction text/art/drawings of leaves and other autumnal objects PEOPLE WHO HELP US STEM Chocolate Finger investigation – changes of state melting Baking Cupcakes and Salt dough changes of state	Once upon a time Growing beanstalks plant life cycle/observational drawings of plants Baking gingerbread men changes of state Materials – 3 little pigs houses materials Supertato changes of state melting and other Spring seasonal changes Planting Rainbows Skittles investigation	What a wonderful world Butterflies – animal lifecycle/observational drawings of the lifecycle Animal visit drawings of animals/lifecycles/exploring the natural world around them Africa Comparing environments Bees Tasting honey-making toast-changes of state Making ice cream changes of state Summer seasonal changes Under the Sea Comparing environments Sandcastle experiment
Year One	PIRATES Humans – Naming parts of the body identifying and classifying Humans – Sequencing the growth timeline pattern seeking and problem solving Senses – Exploring senses linked to pirates Identifying and classifying Seasons – Seasonal Change, Autumn and park visit Observing over time. Plants – Leaf hunt	MAGICAL KINGDOMS Materials – grouping materials and vocabulary. identifying and classifying Materials – Waterproof investigation linked to D&T Keep the Gingerbread man dry Jack and the beanstalk – Get the egg down the beanstalk safely Warmest glove investigation observing over time Plants – Labelling the parts of a plant, using microscopes. Research	ALL CREATURES GREAT AND SMALL Animals – Sorting animal pictures into similarities and differences. Identifying and classifying Pets – Pet visits Animals – Introduce animal groups and sort into animal groups. Identifying and classifying Animals – Identify key features of an animal, draw and label.



	Identifying and classifying, pattern seeking. Materials – Exploring materials Identifying and classifying and pattern seeking	Seasons – Seasonal Change, Spring Observing over time. Seasons – Monitor the weather Observing over time, pattern seeking.	Identifying and classifying, research Animal stories (English link) Research, pattern seeking Animals – What do animals eat? Omnivore, herbivore, carnivore. Identifying and classifying, research Seasons – Seasonal Change, Summer Observing over time. Plants – Wild and garden plants Identifying and classifying
Year Two	THE GREAT FIRE OF LONDON Investigate the taller a person is, the older they are. Pattern seeking, Finding out the basics needs of humans for survival Research Explore a healthy diet Identifying and classifying Hygiene and germs Fair test How many exercises can you do in a minute Pattern seeking What do we know, what do we want to find out about materials? Identifying and classifying Identifying the materials within a picture	A SEED OF CHANGE Plants – observations of seeds and bulbs. Compare a bulb and a seed Dissect a bulb/plant Sort seeds/bulbs observing over time, pattern seeking, fair test Plants- comparative test to find out what plants need to survive - grass observing over time, pattern seeking, fair test Plants – research the life cycle of a plant research Plants – Where does our food come from? Link to The World Came To Our Place Today Research Track bulb growth – diary	HOMELY HABITATS Minibeast Hunt at Burslem Park pattern seeking Research, design, make and evaluate room for bug hotel using learning on microhabitats Research Research polar habitats research, pattern seeking Research tropical rainforest habitats research, pattern seeking Research savannah grassland habitats research, pattern seeking Food chains research



	Identifying and classifying Suitability of the materials and their properties / material hunt Identifying and classifying Create a table showing the object, material and suitability. Identifying and classifying Introduce vocabulary malleable Opaque/transparent Charles Mackintosh Research Planting bulbs	Compare bulb to seed growth grass seed v bulb	
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