Science 2021/2022			
	Autumn Term	**Spring Term**	**Summer Term**
EYFS – Understanding the World	**All About Me –** All about Me, Family and Friends, local community, emotions, senses, Autumn and Harvest **Discovering Donaldson –** Bonfire, Magic and Potions, Woodlands & Habitats, Hibernation, Mythical Creatures, Christmas, Hannukah, The North Pole, Reindeer, Celebrating the Birth of Jesus	**People Who Help Us –** Police, firemen, Doctors/Nurses, Vets, Helping Others in the Community, Chinese New Year **The Bug Hotel -** Dig and Discover, Creep and Crawl, Hum and Buzz, Flutter and Fly, Weave and Spin, Minibeast Ball Easter	**Dinosaurs Beware –** Fossil Finding, What's in the Egg? Jurassic Jungle, Extinction, Volcano, Journeys, Maps and Discovery **We are going to the Zoo –** Dear Zoo, Land Animals, Water Animals, Reptiles, Birds, Animal Patterns, Job of a Keeper
Year 1 **Year 2**	**Keeping Fit and Healthy –** compare differences between living, dead and never been alive, describe basic survival needs of animals, importance of exercise, food, and hygiene. **Forces of Movement –** describe simple physical properties of materials (attracted to magnet or not), compare and group materials based on properties (attracted to magnet or not)	**Plants –** identify common plants, describe basic structure of flowering plants, what plants need to grow and stay healthy, observe and describe how seeds/bulbs grow into mature plants, changes across seasons.	**Properties of Materials (Weather)** **Properties of Materials –** distinguish between object and material from which it is made, compare, group and describe materials by physical properties, identify, name and compare uses of materials (incl wood, metal, plastic, glass, brick, rock, paper and cardboard)
Year 3	**Plants –** describe functions of parts of flowering plants, what plants require to live/grow and how this varies, investigate how water is transported within plants, explore role of flowers in life cycle of plants **Rocks (Properties of Materials) –** compare and group types of rocks by physical properties, recognise soils are made from rocks/organic matter, compare and group materials together (solids, liquids, gases – recap from cycle B), describe in simple terms how fossils are formed (missed from cycle B)	**Electricity –** identify electrical appliances, construct and name parts of a simple series electrical circuit, identify whether lamp will work, recognise that a switch opens and closes a circuit, recognise conductors and insulators **Keeping Fit and Healthy –** identify that animals, inc humans, need the right nutrition, cannot make their own food, and get nutrition from food, describe functions of basic parts of human digestive system, identify types of human teeth and simple functions	**Forces of Movement –** Compare movement on different surfaces, observe magnets attracting and repelling other magnets and which objects they attract/do not attract, compare and group materials on whether they are attracted to a magnet or not, identify some magnetic materials, describe two poles of magnets, predict whether two magnets will attract or repel based on which poles are facing
Year 4	**Plants –** As above for Year 3 **Keeping Fit and Healthy –** As above for Year 3 Spring Term	**Rocks (Properties of Materials) -** As above for Year 3 Autumn Term **Electricity –** As above for Year 3	
Year 5/6	**Properties of Materials –** compare and group materials based on evidence from comparative/fair tests, give reasons, based on evidence for uses of materials, use knowledge of solids, liquids, gases to separate mixtures **Keeping Fit and Healthy –** name parts of human circulatory system, describe functions of heart, blood vessels, blood (pulse, clotting), recognise impact of diet, exercise, drugs, lifestyle on body function, describe ways nutrients and water transported within animals, incl humans.	**Keeping Fit and Healthy –** continued from Aut 2, linked to RSE **Plants –** recognise that living things (plants) produce offspring of the same kind but normally offspring vary and are not identical to their parents, describe life process of reproduction in some plants	**Electricity –** associate brightness/volume with number/voltage of cells in circuit, compare and give reasons for variations in how components function brightness/loudness/position of on/off switches, use recognised symbols when representing a simple circuit in a diagram **Forces of Movement –** explain force of gravity acting between the Earth and falling objects, identify effect of air resistance, water resistance and friction between moving surfaces, recognise some mechanisms (levers, pulleys, gears) allow a smaller force to have a greater effect