



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	Ongoing Learning Unit	What's the weather like today?	Seasonal Changes			
	Why do we play...? <i>Everday Materials</i> <i>Animals including humans</i> When I was a baby Name body parts and their purpose Investigation – using the senses Comparing similarities and differences Keeping healthy	Hello I'm new here. <i>Plants</i> <i>Animals including humans</i> <i>Seasonal changes</i> Plants near our school	What can learn about our world from stories? <i>Everyday materials</i> <i>Seasonal changes</i> Sorting materials for puppets Sorting materials (floating & sinking) Mixing and changing materials Making shadows	Starry Night <i>Seasonal change</i> Light and light sources Telescopes Shooting stars Star constellations	Why is water so precious? <i>Plants</i> <i>Animals including Humans</i> <i>Seasonal Changes</i> Growing <ul style="list-style-type: none"> • Exploring seeds • Class seed diary • What do plants need to grow? • My results Pond life <ul style="list-style-type: none"> • Visit pond • Frog spawn • Review investigation How the environment affects plants & animals Food that keeps us healthy Open ended questions Review investigation Growing/Pond life <ul style="list-style-type: none"> • Grouping plants • Alive or not? • Review of investigation Caring for the environment <ul style="list-style-type: none"> • Walk around school • Research in their gardens • - Review investigation • 	Where could we go for a great day out? <i>Animals including humans</i> What kind of animals live in rivers?



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Year 3	How does electricity work? <i>Electricity</i> <i>Forces & Magnets</i> I wonder...? Lighting up a bulb Electrical conductors Switches Lighting up a picture Concept map magnets Magnetic materials Static electricity Finding out about magnets Memorise Science 'Killer Facts'	Who were the greatest builders...? <i>Plants</i> <i>Forces</i> Germinating and growing Testing bricks Moving heavy objects Memorise Science 'Killer Facts'	Let's go on an adventure. Would we like to visit Guatemala? <i>Forces & Friction</i> <i>Measuring forces</i> <i>Pulling objects</i> <i>(Air resistance Y5)</i> Pushes and pulls 'Magically' make an object move Friction Measuring forces Air resistance Memorise Science 'Killer Facts'	The Games Children Play	Are Bugs important? <i>Plants</i> <i>Animals including humans</i> <i>Living things and their habitats</i> What is a plant/animal? Is it alive? Intro to ant farm Investigation assessment – What do plants need? Where does the water go? What are roots for? Habitats/Habitats in the school grounds Seed dispersal Life cycle of an ant/butterfly Food chains Memorise Killer Facts	How can we make living here better for everyone? <i>Rocks</i> Investigating materials Memorise Science 'Killer Facts'



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Year 4	How do I see? How do I hear? <i>Light</i> <i>Sound</i> I wonder...? Investigating materials How do we see? Shadows Reflection Challenges using mirrors Sounds are made when objects vibrate Seeing vibrations Feeling vibrations Vibrations from sound sources travel through medium Sound insulation Pitch and loudness Exploring refraction, reflection, colour Memorise Science 'Killer Facts'	Why do we speak English at school? <i>Forces</i> Sail power Memorise Science 'Killer Facts'	Should we stop eating chocolate? <i>States of matter</i> Dissolving investigation Food value of chocolate bar How does the chocolate become fuel/energy for our bodies? Which sugar dissolves first? Should we continue to eat chocolate as far as our teeth are concerned? Changes occur when materials are heated or cooled* Temperature is a measure of hot and cold Heating solid materials can cause irreversible changes* Burning materials results in irreversible changes* Memorise Science 'Killer Facts'	From a Railway Carriage	What happens inside us? <i>Animals, including humans</i> Concept of living How do our bodies feel after exercise? The heart and pulse Science investigation – how exercise affects our bodies Organs of the body Skin, skeleton and muscles Jigsaw activity Digestive system Sorting food Healthy eating The Brown family Food labels Teeth Tooth decay Dental care Revisit science investigation Quiz Memorise science 'Killer Facts'	European Regional Study <i>Seasonal changes(KS1)</i> Measuring air temperature Making and using temperature records Memorise Science 'Killer Facts'



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Year 5	What's it made of? <i>Properties and changes to materials</i> Quiz (part1) Trainee Materials Scientists Key terms Classifying materials Problem – sustainable carrier bags Dissolving Separating insolubles Evaporation Recovering sugar Evaporating perfumes Solids, liquids, gases Cornflour slime Gases Keeping it cool Non-reversible changes Big separation problem Quiz (part 1 and 2) Memorise Science 'Killer Facts'	Why would someone build a castle...? <i>Forces</i> Catapult investigation	Fairgrounds <i>Electricity</i> <i>Light</i> <i>Forces</i> Electrical circuits Forces Light Sound Memorise Science 'Killer Facts'	The Highwayman	Do we make the most of what is right on our doorstep? <i>Living things and their habitats</i> <i>Animals including humans</i> Plant search Plant classification Grow your own salad Life cycle of a plant Parts of a plant and functions Pollination Investigation – germination Seed dispersal The dandelion seed Parachute investigation Food chains Pond visit Memorise science 'Killer Facts'	Who are we? Why do I live here? UK and Duluth USA <i>Rocks</i> Fossils and the Great Lakes Memorise Science 'Killer Facts'
Year 6	What's out there? <i>Earth & space</i> <i>(Light</i> <i>States of matter</i> <i>Rocks)</i> I wonder...? Enough water	Has there ever been a better time...? Discrete Science review and revisit according to need – See Let's Go Round Again - Memorise Killer facts	Why do some creatures no longer exist? <i>Evolution & inheritance</i> <i>(Living things and their habitats</i> <i>Seasonal changes)</i> Biography in a Bag	The Lady of Shalott Discrete Science review and revisit according to need – See Let's Go Round Again - Memorise Killer facts	The Great UK Geographical Challenge Discrete Science review and revisit according to need – See Let's Go Round Again - Memorise Killer facts	How successful are we as entrepreneurs?



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	Investigating evaporation and condensation Water cleaning Position of the Sun Day and night Earth's orbit Moon's orbit Role Play Moon shapes Relative sizes of planets Gravity Names of planets Investigating insulation Rocks and soils Memorise Science 'Killer Facts'		We are naturalists Carl Linnaeus – optional The Chimp report Natural selection activity Darwin's finches Telling the story – population graphs Creating something new Plants Animals What do we know about fossils Memorise Science 'Killer Facts' So, why do some creatures no longer exist? Review of Learning Memorise killer facts Presenting our learning			
EYFS-Y6	The Ancient Greeks – Whole School Learning Unit (suggested use Olympics year i.e. every four years) Further opportunities to explore and provide experiences in this subject area					
	The Global Dimension – Whole School Learning Unit (can be used at your discretion. You may choose to revisit every 3-4 years) This is intended to provide a launch pad for adding a global dimension to your existing curriculum. Further opportunities to explore and provide experiences in this subject area					