



# St Bartholomew's C of E (VA) Primary School

## Science Overview Follow Jesus in all we do

	Autumn1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>EYFS</b> Scientist:	<b><u>The Natural World</u></b> Magnetism Autumn walk	<b><u>The Natural World</u></b> Autumnal objects Autumn walk Light and dark	<b><u>The Natural World</u></b> Plant beans and seeds Moon rocks Seasons melting and freezing Gravity	<b><u>The Natural World</u></b> Life cycles birds nest Seasons - Spring walk melting Plant sunflowers	<b><u>The Natural World</u></b> Dissect a fish Investigate floating and sinking Sow peas and runner beans.	<b><u>The Natural World</u></b> Seasons – Summer Summer walk Plants – fruit and vegetables.
<b>Y1</b> Scientist: Robert Winston	<b><u>Animals including humans</u></b> Animal identification Carnivore, herbivore, omnivore.	<b><u>Animals including humans</u></b> Animal structure. Label basic body parts and link to senses.	<b><u>Materials</u></b> Distinguish between object and material. Learn objects and materials made from.	<b><u>Materials</u></b> Learn properties of materials. Make comparisons and group based on similarities.	<b><u>Plants</u></b> Identify and name common and wild plants. Learn natural habitats.	<b><u>Plants</u></b> Learn the basic structure of a flowering plant
<b>Y2</b> Scientist: David Attenborou gh	<b><u>Materials</u></b> Suitability of material to its job. Investigate how shapes of objects can be changed.	<b><u>Materials</u></b> Investigate the malleability of some materials.	<b><u>Living things and their habitats</u></b> Explore living, dead and never been alive. Learn about habitats.	<b><u>Animals including humans</u></b> Look at animals and plants found within habitats. Simple food chains	<b><u>Plants</u></b> Plant growth Growth factors (water, light, temperature)	<b><u>Plants</u></b> Investigate how seeds and bulbs grow. Fair testing
<b>Y3</b> Scientist: Mary Anning	<b><u>Animals including humans</u></b> Skeletons muscles	<b><u>Animals including humans</u></b> Food groups Balanced diet	<b><u>Forces and magnets</u></b> Friction investigation Magnetic Forces	<b><u>Rocks</u></b> Properties and appearance of rocks Fossil formation Soil samples.	<b><u>Plants</u></b> Seed dispersal Function of plant parts	<b><u>Light</u></b> Shadows Light Sources



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<b>Y4</b> Scientist: Alexander Graham Bell	<u><b>Sound</b></u> How the ear works Sound vibrations	<u><b>Animals including humans</b></u> Teeth Experiment into how our digestive system functions	<u><b>States of matter</b></u> Water Cycle Solids, liquids and gases	<u><b>Electricity</b></u> Produce simple circuit Identify names of parts Introduce conductors and insulators	<u><b>Living things and their habitats</b></u> classification Food Chains	<u><b>Living things and their habitats</b></u> Environmental change Effects on food chains
<b>Y5</b> Scientist: Galileo	<u><b>Living things and their habitats</b></u> Life Cycles – differences in those of mammal, insect, bird.	<u><b>Forces</b></u> Investigations to learn about: Force of Gravity Air Resistance Water Resistance	<u><b>Earth and space</b></u> Movement of planets in relation to each other.	<u><b>Living things and their habitats</b></u> Life Process of Reproduction.	<u><b>Animals including humans</b></u> Process of human change from young to old	<u><b>Materials</b></u> Solids, liquids and gases. Dissolving, Filtration, Evaporation Changes in
<b>Y6</b> Scientist: Charles Darwin	<u><b>Evolution and inheritance</b></u>	<u><b>Electricity</b></u> Create circuit – bulbs, buzzer, on/off switch. Record circuits using scientific symbols Design and make Christmas decoration	<u><b>Animals including humans</b></u> Circulatory system Dissect a heart Investigate impact of diet, exercise and drugs on our body	<u><b>Living things and their habitats</b></u> Learn classification groups	<u><b>Living things and their habitats</b></u> Classification Study Carl Linnaeus	<u><b>Light</b></u> Eye Function Investigations into how we see.