Barby Church of England Primary School
Curriculum Map: 3-D Connections

Horizontal (Same Year within and across subjects) Vertical (Same Subject, progression within) Diagonal (different subject, different year group)

	Autumn 1		Autumn 2		Spring 1		Spring 2		Summer 1		Summer 2	
KS1 Cycle A	**Geography** *GSk&Fw* **Own Locality**: **School & Village of Barby**	**Science CHEMISTRY** **Y1 Everyday Materials:** Naming Materials, Properties, compare **Y2: Everyday Materials** Identify and compare uses of everyday materials **1AT1 Geography**: **Materials in locality** **PHYSICS** SEASONAL CHANGE: Variety of Seasonal Plants including deciduous and evergreen trees	**History** *Changes within living memory:* **Toys** **Science 1AT1** **Apply knowledge of materials**	**Science CHEMISTRY** **Year 1: Everyday Materials** Compare and group together a variety of everyday materials based on their simple physical properties **Year 2: Everyday Materials** How the shapes of solid objects can be changed **PHYSICS** SEASONAL CHANGE Variety of Seasonal Plants including deciduous and evergreen trees	**Geography** *Locational Kn* **UK Countries** **1AT1 Geography** **Own Locality comparison**	**Science BIOLOGY** **Y2: Plants** Observe and describe how seeds grow into mature plants **Our Vegetable Patch** Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy **PHYSICS** SEASONAL CHANGE Variety of Seasonal Plants including deciduous and evergreen trees	**History** *Significant People:* **Florence Nightingale, Mary Seacole and Edith Carvell**	**Science BIOLOGY** **Y1: Animals** Identify and name a variety of common animals/birds/fish etc Describe and compare structure of a variety of animals **Y2:Animals & habitats** Basic needs of animals for survival Identify variety of plants and animals within their habitats **PHYSICS**: SEASONAL CHANGE Variety of Seasonal Plants including deciduous and evergreen trees	**Geography** *Place Kn* **Non-European Study: Kenya-Nairobi**	**Science BIOLOGY** **Year 1:Animals** Identify and name carnivores& herbivores **Y2: Animals, Food chains** Habitats (including micro habitats and dependence Simple food chains **PHYSICS** SEASONAL CHANGE Variety of Seasonal Plants including deciduous and evergreen trees	**History** *Significant Event in own locality:* **Development of Formula 1** (the Silverstone Experience)	**Science BIOLOGY** **Whole KS1 RSE Programme** **Y1: Humans** Naming basic parts of human body, senses **Y2: Humans** Basic needs of animals (humans) for survival Importance of Exercise, diet and hygiene Humans have offspring which grow into adults **PHYSICS** SEASONAL CHANGE
KS1 Cycle B	**Geography** *Place Kn* **Own Locality** **Barby within the County of Northamptonshire** **1BT3 Geography**	**Science CHEMISTRY** **Y1 Everyday Materials:** Naming Materials, Properties, compare **Y2: Everyday Materials** Identify and compare uses of everyday materials	**History** *Changes within living memory*: **Transport**	**Science CHEMISTRY** **Year 1: Everyday Materials** Compare and group together a variety of everyday materials based on their simple physical properties **Year 2: Everyday Materials** How the shapes of solid objects can be changed	**Geography** *Locational& Place Kn* **UK Countries** **London**	**Science BIOLOGY** **Y2: Plants** Observe and describe how bulbs grow into mature plants **Our Flower Garden** Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy	**History** *Changes Beyond Living Memory* **The Great Fire of London** **Compare with Great Fire of Northampton**	**Science BIOLOGY** **Y1: Animals** Identify and name a variety of common animals/birds/fish etc Describe and compare structure of a variety of animals **Y2: Animals & habitats** Basic needs of animals for survival Identify variety of plants and animals within their habitats	**Geography** *Lkn7 continents, 5 oceans* *H7Ph Hot & Cold areas* **The World**	**Science BIOLOGY** **Year 1: :Animals** Identify and name carnivores& herbivores **Y2: Animals, Food chains** Habitats (including micro habitats and dependence Simple food chains	**History** *Significant People:* **Christopher Columbus, Scott of the Antarctic comparison**	**Science BIOLOGY** **Whole KS1 RSE Programme** **Y1: Humans** Naming basic parts of human body, senses **Y2: Humans** Basic needs of animals (humans) for survival Importance of Exercise, diet and hygiene Humans have offspring which grow into adults
Y3/4 Cycle A	**Geography** UK study Countries and regions / cities Geography 1.2; 1.5; 2.5; Geography 3.3	**Science** **Science BIOLOGY** **Y3: Plants** Functions of parts Requirements for life Transport of water Life cycle Science 1.2; 1.5; 2.2; 2.5	**History** Changes in Britain from the Stone Age to the Iron Age Skara Brae Bronze Age Stonehenge Iron age hill forts History 3.4 History 4.1; 4.2 Science 3.2	**Science CHEMISTRY** **Y3: Rocks** Appearance Properties Fossils Soils History 1.4 (fossils) History 3.2 Geography 3.6	**Geography** European Study *Place Knowledge* Similarities differences of place in UK European country Italy History 3.4 (Italy) Geography 3.1; 3.6 (Italy; Iceland)	**Science BIOLOGY** **Y3: Animals including humans** Animals: humans (nutrition) Science 2.3 Science 3.4 Science 4.1	**History** The Roman Empire and its Impact on Britain (Invaders) History 3.2 History 3.5 Geography 3.3 (Italy) History 1.3; 1.4; 2.3; 2.4 (significant people)	**Science BIOLOGY** **Y3: Animals including humans** Animals: humans (muscles & skeleton) Science 3.3	**History** The Roman Empire and its Impact on Britain (Settlers) History 3.4	**Science PHYSICS** **Y3: Light** Darkness Reflection Protection Shadows Changing shadows Science Y6.2	**Geography** *Human and physical* Volcanoes & earthquakes Geography 3.3 (Italy; Iceland) Science 3.2 Geography 5.3	**Science PHYSICS** **Y3: Forces and Magnets** Movement on surface Contact between objects Magnetic materials Attract or repel Poles Science 5.3
Y3/4 Cycle B	**History** The Achievements of the Earliest Civilisations: Ancient Egypt	**Science BIOLOGY** **Y4: Humans** Digestive system Types pf teeth and functions Science 2.3; 3.3	**History** The Achievements of the Earliest Civilisations: Ancient Egypt	**Science PHYSICS** **Y4: Electricity** Appliances Circuits Switches conductors or insulators	**Geography** *Human and physical* Rivers & the water cycle Nene/Thames	**Science CHEMISTRY** **Y4: States of matter** Water cycle Evaporation Condensation **Science CHEMISTRY** **Y4: States of matter** Compare and group Solids liquids gases Changes due to heating or cooling	**Geography** Region in the UK study: London Geography 3.1	**Science BIOLOGY** **Y4: Animals including humans** Food chains Producers Predators	**History** **Britain's Settlement by Anglo-Saxons and Scots** Settlement Roman withdrawal Scots' invasions Anglo Saxons invasion settlements and kingdoms Christian conversion Iona Lindisfarne History 3.4; 3.5 History 3.4 Significant People (Alfred the Great) History 3.4; 3.5 (Invasion) Geography 3.3 (Europe)	**Science BIOLOGY** **Y4: Living things and their habitats** Living things can be grouped Classification keys Environments can change	**History** **The Vikings' and Anglo-Saxons' struggle for the Kingdom of England to the time of Edward the Confessor** Viking raids and invasion Alfred the Great Danegeld Laws and justice Edward the Confessor Geography 3.3 (Europe)	**Science PHYSICS** **Y4: Sounds** Vibrations Ear Pitch Volume
Y5/6 Cycle B	**History** Ancient Greece Geography 3.3	**Science** **Science BIOLOGY** **Y5: Animals inc humans** Life Cycles, Changes as humans develop Gestation	**History** Ancient Greece Geography 3.3	**Science PHYSICS** **Y5: Earth and Space** Movement of Earth Movement of Moon Sun, Moon and Earth Rotations	**Geography** *Human and physical* **Geography** *Locational Knowledge* Topographical features Hills mountains	**Science** Forces **Science PHYSICS** **Y5:Forces** Gravity Air resistance Friction Levers pulleys and gears	**Geography** European country: Barcelona Geography 3.3	**Science BIOLOGY** **Y5: All living things and their habitats** Life cycles of mammals insects birds Life process of reproduction plants/animals	**History** Local history study (e.g. Northamptonshire's shoe industry)	**Science CHEMISTRY** **Y5: Properties and changes of materials** Properties Solution Separation Reversible/irreversible changes New materials	**History** Local history study (e.g. Northamptonshire's shoe industry)	**Science PHYSICS** **Y6:Light** Straight lines Reflections Eyes Light travels Shadow shape

Y5/6 Cycle A	**History** A study of an aspect in British History that extends chronological knowledge beyond 1066: Advances of Medicine / Crime and Punishment	**Science BIOLOGY** **Y6: Animals inc.humans** Circulatory system Diet exercise Transportation of water animals and humans	**History** A study of an aspect in British History that extends chronological knowledge beyond 1066: Advances of Medicine / Crime and Punishment	**Science PHYSICS** **Y6: Electricity** Brightness /cells Components of circuits Switches Symbols	**Geography** North & South America **Geography** *Locational Knowledge* Countries and cities of the world North America	**Science BIOLOGY** **Y6: Living things and their habitats** Classification Micro- organisms plants and animals **characteristics**	**Geography** Region within North or South America: Amazon *Human and physical* Biomes Rainforest Economic trade	**Geography** Region within North or South America: Amazon *Human and physical* Biomes Rainforest Economic trade	**Science BIOLOGY** **Y6: Evolution and inheritance** Living things have changed (Polar Example) Offspring variations Fossil information adaptation	**Geography** *Human and physical* Polar Biome Ice Trap, Shackleton	**History** A Non-European Society: Mayan Civilization	**Science** Review