Whole School Science Overview

	Aut 1	Aut 2	Spr 1	Spr 2	Sum 1	Sum 2
Reception		Planets	Freeze and Unfreeze	Life Cycles	How plants grow	Floating and Sinking
Year 1	Materials Name and discuss properties of materials	Weather Weather patterns *Scientist – George James Symons*	Materials Investigate properties of materials	Animals inc Humans Identify and Classify	Plants Name and label a tree Deciduous/evergreen Observe a plant growing	Animals inc Humans Name parts of the body Investigate senses
Year 2	Plants Name the main parts of a flower How plants germinate?	Living things and their habitats Alive, dead, never alive Food chains Mrs Gren Habitats	Animals inc Humans Classify Animals Babies – Adults What humans need to survive *Scientist - Carlos Linneaus*	Materials Classify materials Investigate materials for a purpose *Scientist - Ole Kirk Christianson and Charles Macintosh*	Animals inc Humans Name the care a baby needs Healthy diet and exercise	Materials How to change the shape of materials Investigate materials to make a bridge
Year 3	Plants Functions of the parts of a flowing plant How water is transported in plants Conditions a plant needs to grow Pollination	Forces Magnets How tings move on different surfaces *Scientist – Isaac Newton*	Light How we see Reflection Shadows *Scientist – Alhazen*	Animals inc Humans Mummify fruit Identify and name bones Skeletons and muscles	Animals inc Humans Nutrition	Rocks Property of rocks Permeable Fossils Soil *Scientist – Mary Anning*

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	Aut 1	Aut 2	Spr 1	Spr 2	Sum 1	Sum 2
Year 4	States of Matter Solids, liquids and gases Water cycle Evaporation and condensation Melting and freezing	Electricity Identify electric appliances Make a working circuit Electrical safety Conductors and insulators *Scientist – Thomas Edison*	Working Scientifically Investigations using knowledge learnt so far	Animals inc Humans Teeth Digestion Food chains *Scientist - Washington Sheffield*	Sound How we hear How sound travels Patterns between volume/vibrations and pitch/objects	Living Things 7 characteristics Classify Human impact on the environment Climate Change
Year 5	Space and Earth Planets Solar System Day and Night Phases of the moon Space Debris/ Satellites	Forces Gravity Air and water resistance Friction Mechanisms	Living Things and their Habitats Animals inc Humans How plants reproduce Asexual vs sexual plants Life cycles Gestation and foetal development Human growth *Scientist – David Attenborough*	Property and Changes of Materials Compare and group materials Insulation Absorbency Dissolving Reversible and irreversible changes		Inventors and Scientists *Scientists – Marie Curie, Stephanie Kwolek*
Year 6	Light How light travels How objects are seen Refraction Shadows Reflections		Living Things and their Habitats Classifying Animals Unusual creatures Make a classification key *Scientist - Carl Linnaeus*	Evolution and Inheritance Living things have changed over time Adaption *Scientist – Charles Darwin, Mary Leaky*	Animals inc Humans Circulatory System Human Heart Blood & Nutrition Effect of drugs and alcohol *Scientists - Alexander Fleming, Mary Maynard Daly, Daniel Hale Williams*	Electricity Draw circuits Voltage Components Dimmer switch

Whole School Science Overview

	Aut 1	Aut 2	Spr 1	Spr 2	Sum 1	Sum 2
Hub 2 yr1	Materials Name and discuss properties of materials	Weather Weather patterns *Scientist – George James Symons*	Materials Investigate properties of materials	Animals inc Humans Identify and Classify	Plants Name and label a tree Deciduous/evergreen Observe a plant growing	Animals inc Humans Name parts of the body Investigate senses
Hub 2 Yr2	Plants Name the main parts of a flower How plants germinate?	Living things and their habitats Alive, dead, never alive Food chains Mrs Gren Habitats	Animals inc Humans Classify Animals Babies – Adults What humans need to survive *Scientist - Carlos Linneaus*	Materials Classify materials Investigate materials for a purpose *Scientist - Ole Kirk Christianson and Charles Macintosh*	Animals inc Humans Name the care a baby needs Healthy diet and exercise	Materials How to change the shape of materials Investigate materials to make a bridge
Hub 3 Yr1	States of Matter Solids, liquids and gases Water cycle Evaporation and condensation • Melting and freezing	Electricity Identify electric appliances Make a working circuit Electrical safety Conductors and insulators • *Scientist – Thomas Edison*	Working Scientifically Investigations using knowledge learnt so far	Animals inc Humans Teeth Digestion Food chains *Scientist - Washington Sheffield*	Sound How we hear How sound travels Patterns between volume/vibrations and pitch/objects	Living Things 7 characteristics Classify Human impact on the environment • Climate Change
Hub 3 Yr2	Space and Earth Planets Solar System Day and Night Phases of the moon Space Debris/	Forces Gravity Air and water resistance Friction Mechanisms	Living Things and their Habitats Animals inc Humans How plants reproduce Asexual vs sexual plants	Property and Changes of Materials Compare and group materials	Inventors and Scientists *Scientists – Marie Curie, Stephanie Kwolek*	Space and Earth Planets Solar System Day and Night

Whole School Science Overview

	Satellites		Life cycles Gestation and foetal development Human growth *Scientist – David Attenborough*	Insulation Absorbency Dissolving Reversible and irreversible changes		Phases of the moon Space Debris/ Satellites
Hub 3 Yr 3	Light How light travels How objects are seen Refraction Shadows Reflections		Living Things and their Habitats Classifying Animals Unusual creatures Make a classification key *Scientist - Carl Linnaeus*	Evolution and Inheritance Living things have changed over time Adaption *Scientist – Charles Darwin, Mary Leaky*	Animals inc Humans Circulatory System Human Heart Blood & Nutrition Effect of drugs and alcohol *Scientists - Alexander Fleming, Mary Maynard Daly, Daniel Hale Williams*	Electricity Draw circuits Voltage Components Dimmer switch