

Subject: Science

Note: This rolling schedule of teaching provides a guide to mandatory areas of curriculum focus for each half-term during our pupils' KS1-5 journey. Half-termly planning – based on these areas – will therefore be centred on pupils' required next steps **within each focus theme according to progression levels to date**. This may be within one or more of the teaching segments in the guidance columns. This schedule **must be used** in conjunction with the subject's full Programme of Study which details progressive learning steps for all three pathway cohorts.

Year 1

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Materials 1	Materials 2	Light	Earth and Space and Seasonal Changes	Animals including Humans 1	Living Things and their Habitats
- Identifying different materials. - Physical properties of materials. - Changing shape of different solid materials. - Uses of different materials.	- Dissolving. - Separating mixtures. - Reversible changes. - Chemical reactions.	- Light and dark - Reflection - Sun safety. - Shadows	- Solar system and movement of the planets - Spherical nature of the Earth, Moon, and Sun - Day and Night - The four seasons. - Weather associated with different seasons. - Day length in the different seasons.	- Identifying common animals. - What they eat. - Structures of common animals. - Label the human body. - Basic needs of animals. - Health and Hygiene.	- Living, dead, never alive. - Habitats and what they provide. - Habitats, microhabitats and what lives there. - Simple food chains.

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Year 2

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Forces and Magnets	Electricity	States of Matter	Sound	Plants	Animals including Humans 2
• Movement on different surfaces • Forces that need contact and those that don't (e.g., magnetism) • Magnetic attraction and repulsion. • Magnetic materials. • Magnetic poles • Gravity	• Appliances that need electricity. • Simple series circuits. • Switches. • Conductors and insulators • Brightness of lamps dependent on number and voltage of cells.	• Group materials: ○ Solid ○ Liquid ○ Gas • Change of state and temperature. • Evaporation and condensation. • Water cycle.	• Sound and vibration. • Sound travels through solids, liquids, and gases. • Shape/size of object and pitch of sound. • Strength of vibration and volume of sound. • Volume of sound with distance.	• Structure of flowering plants. • What plants need to grow. • Water transport in plants. • Plant life cycle including the role of flowers and seeds.	• Nutrition • Skeleton • Digestive system • Teeth • Food chains • Aging • Health