

## Learning Support Science

Term	Half Term	Year 7 Derwent	Year 8/9- Goyt	Year 8/9 Wye	Year 10/11 Dove	Year 10/11 Manifold
Autumn	September – October	<b>Introduction to a lab</b> Health and safety <b>Matter 1</b> Particle model of solids, liquids and gases and solutions	<b>Electromagnets 1</b> Voltage, resistance and current <b>Reactions 2</b> Chemical energy and types of reaction	<b>Reactions 2</b> Chemical energy and types of reaction	Component 3 ELC <b>Elements, mixtures and compounds</b> Atoms and elements Element or compound? States of matter Forms of carbon	Component 3 ELC <b>Elements, mixtures and compounds</b> Atoms and elements Element or compound? States of matter Forms of carbon
	November – December	<b>Organisms 1</b> Characteristics of life. Cells, tissues, organs and organ systems and intro to microbes	<b>Electromagnets 1</b> Electrical appliances, plugs and fuses <b>Reactions 2-</b> <b>Electromagnets 2</b> Magnetism	<b>Forces 2</b> Contact forces and pressure	Component 3 ELC <b>Elements, mixtures and compounds</b> Separating mixtures Chromatography Metals and ores Properties of metals Alloys Polymers	Component 3 ELC <b>Elements, mixtures and compounds</b> Separating mixtures Chromatography Metals and ores Properties of metals Alloys Polymers
Spring	January – February	<b>Energy 1</b> Energy stores and conservation of energy. Power, energy resources.	<b>Electromagnets 2</b> Electromagnetism <b>Genes 1</b> (reproduction in plants and humans)	<b>Reproduction</b> in humans and plants	Component 1 ELC <b>The Human Body</b> Internal and external features Animal cells Cells, tissues, organs and systems The human digestive system respiration	Component 1 ELC <b>The Human Body</b>
	March – April	<b>Reactions 1</b> Acids and alkalis and reactions of acids	<b>Waves 1</b> Sound and light <b>Genes 1</b> (reproduction in plants and humans)	<b>Organisms 2</b> (Breathing and respiration)	Component 1 ELC <b>The Human Body</b> Life-style and health Infectious diseases The role of the white blood cell Medical drugs	Component 1 ELC <b>The Human Body</b> Life-style and health Infectious diseases The role of the white blood cell Medical drugs

Summer	April – May	<b>Reproduction</b> Humans and plants	<b>Waves 2</b> Wave effects and wave properties <b>Genes 1</b> (reproduction in plants and humans)	<b>Electromagnets 1</b> Voltage, resistance and current Electrical appliances, plugs and fuses <b>Electromagnets 2</b> Magnets and electromagnets	<b>The Human Body</b> The nervous system Hormonal control Hormones and the control of fertility	<b>The Human Body</b> The nervous system Hormonal control Hormones and the control of fertility
	June - July	<b>Forces 1</b> Forces and their effects. Speeding up  <b>Investigative skills</b> Plan, carry out and evaluate	<b>Organisms 2</b> (breathing and respiration)  <b>Forces 2</b> Contact forces and pressure	<b>Waves 1 and 2</b> Light, sound and wave effects and wave properties  <b>Investigative Skills</b> Planning, carryout and evaluation	<b>Investigations</b>	<b>Revision GCSE?</b>