

<u>KS3 Science</u>	<u>Autumn HT1</u>	<u>Autumn HT2</u>	<u>Spring HT1</u>	<u>Spring HT2</u>	<u>Summer HT1</u>	<u>Summer HT2</u>
<u>Year 7</u>	<u>Key Skills: Safety in Science.</u> Safety and Hazards Equipment Bunsen Burner Variables and recording data Graphs Investigation [This topic will also include approximately 2 'Literacy in Science' lessons] <u>Matter 1 : Particles & Separating Mixtures</u> Using particles to explain matter Understanding solids Understanding liquids and gases Exploring diffusion Explaining changes of state MMA 1 Separating mixtures Exploring solutions Understanding distillation	<u>Organisms 1 : Movement and Cells.</u> Exploring the human skeleton Understanding the role of joints and muscles Examining interacting muscles Exploring problems with the skeletal system Understanding organisation of organisms Describing animal and plant cells Understanding adaptations of cells MMA 1 Exploring cells MMA 2 Understanding unicellular organisms [This topic will also include approximately 4 'Literacy in Science' lessons]	<u>Organisms 1 : Movement and Cells.</u> Exploring the human skeleton Understanding the role of joints and muscles Examining interacting muscles Exploring problems with the skeletal system Understanding organisation of organisms Describing animal and plant cells Understanding adaptations of cells MMA 1 Exploring cells MMA 2 Understanding unicellular organisms	<u>Waves 1 : Sound & Light</u> Exploring sound Describing sound Hearing sounds Understanding how sound travels through materials Learning about the reflection and absorption of sound MMA 1 Exploring properties of light Exploring reflection Exploring refraction MMA 2 Seeing clearly Exploring coloured light [This topic will also include approximately 4 'Literacy in Science' Lessons]	<u>Waves 1 : Sound & Light</u> Exploring sound Describing sound Hearing sounds Understanding how sound travels through materials Learning about the reflection and absorption of sound MMA 1 Exploring properties of light Exploring reflection Exploring refraction MMA 2 Seeing clearly Exploring coloured light [This topic will also include approximately 4 'Literacy in Science' Lessons]	<u>Forces 2 : Contact Forces and Pressure.</u> Analysing equilibrium What a drag! Understanding stretch and compression Investigating Hooke's Law MMA 1 Exploring pressure on a solid surface Exploring pressure in a fluid Calculating pressure Explaining floating and sinking MMA 2 [This topic will also include approximately 4 'Literacy in Science' Lessons]

	<p>Exploring chromatography MMA 2 [This topic will also include approximately 5 'Literacy in Science' lessons]</p>	<p><u>Genes 1: Variation & Human Reproduction</u></p> <p>Looking at variation Exploring causes of variation Considering the importance of variation MMA 1 Understanding the female reproductive system and fertility Understanding the male reproductive system and fertilisation Learning how a foetus develops MMA 2 Understanding factors affecting a developing foetus The Menstrual cycle Communicating ideas about smoking in pregnancy [This topic will also include approximately 3 'Literacy in Science' lessons]</p>	<p><u>Genes 1: Variation & Human Reproduction</u></p> <p>Looking at variation Exploring causes of variation Considering the importance of variation MMA 1 Understanding the female reproductive system and fertility Understanding the male reproductive system and fertilisation Learning how a foetus develops MMA 2 Understanding factors affecting a developing foetus The Menstrual cycle Communicating ideas about smoking in pregnancy [This topic will also include approximately 3 'Literacy in Science' lessons]</p>	<p><u>Earth 1: Structure and the Universe</u></p> <p>Understanding the structure of the Earth Exploring igneous rocks Exploring sedimentary rocks Exploring metamorphic rocks MMA 1 Understanding the rock cycle Describing stars and galaxies Explaining the effects of the Earth's motion Exploring our neighbours in the Universe Using models in science [This topic will also include approximately 4 'Literacy in Science' Lessons]</p>	<p><u>Earth 1: Structure and the Universe</u></p> <p>Understanding the structure of the Earth Exploring igneous rocks Exploring sedimentary rocks Exploring metamorphic rocks MMA 1 Understanding the rock cycle Describing stars and galaxies Explaining the effects of the Earth's motion Exploring our neighbours in the Universe Using models in science [This topic will also include approximately 4 'Literacy in Science' Lessons]</p>	
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