

Curriculum Map for Science 2014/2015						
Autumn Term		Spring Term			Summer	
1st Half Term	2nd Half term	1st Half	2nd Half	1st Half	2nd Half	
Year 5	Safety A general introduction into lab safety	Understanding matter pupils look at solids, liquids gas, Students to study air,	Earth, sun and Moon pupils look at the solar system-links to light Y6	Forces pupils to understand basic forces including gravity friction, upthrust and air resistance	Life Cycles- in plants and animals	Living things & habitats Growth of plants, feeding chains, ecology Investigations
	Measurement-		Changing materials- pupils to understand how states of matter interchange		Microbes pupils to look at the role of microbes	
	All about us-study of the human body,organs,diet					
Year 6	Safety A general introduction into lab safety	Electricity- pupils learn how to change a circuit and the resulting effects	Dissolving cont- how rate of dissolving can be changed	Revision for SATs Focusing on electricity, light, sound, life cycles, habitats	Revision for SATs As directed by the needs of the students	Variation & classification pupils learn about variety and how to sort
	Light Learning about how we see things		Revision of forces			Environment & feeding relationships- pupils learn more about ecology
	Sound How sound travels	Dissolving- pupils look at separation techniques	Revision of soils & rocks			
Year 7	Safety- general introduction	Cells & organisation	Reproduction students will study the systems in animals including humans	Materials from the Earth- study of the formation of sedimentary rocks	solar- including seasons, orbits and the effect of gravity Bubbles, Bangs & burning-	Electrical Circuits- study of series & parallel circuits, current, resistance, voltage
	Particles using models to explain phenomena	Types of basic cell, differentiation of cells use of a microscope	pregnancy & birth			
	Forces & their effects describing types of force Equilibrium in systems Contact & non-contact forces	Energy Pupils will look at transfer of energy and energy resources	Acids & Alkalis- students will study how they react, their uses, pH scale, simple word equations, neutralisation	Solar system- students study the relationships between the celestial bodies in the solar system	the study of reactions including carbonates, metals, reactivity	Environmental studies pupils look at ecology food webs, plant classification

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Year 8	Safety A general introduction into lab safety	Respiration cont	Solution- students will study solubility, distillation, chromatography	Heating & Cooling- students wil learn about heat transfer conduction, convection & radiation	Light- students study waves including other electromagnet wave. Introduction to refraction	Microbes pupils look at the role of microbes in disease, epidemics etc, antibiotics
	Food & Digestion how the human body,digests food Respiration How the body uses the digested food	Atoms & element/ molecules and compounds these are combined to study the periodic table and reactions to make compounds	The Rock cycle- students will understand how rock types can be interchanged	Magnets& electromagnets study of force fields incl the Earth. How electro magnets are made & altered	Sound- the study of transfer & transmission of sound including the structure of the ear	vaccines Investigations using polymers

