

Subject	Applied Science		
	Interpretation of National Curriculum into Year group Endpoints		
Year	Term 1	Term 2	Term 3
12	<p>Unit 1 - Key concepts in science. Biology - Students will learn the concepts of: 1(a) Cell structure 1(b) Transport mechanisms 1(c) The heart 1(d) Homeostasis 1(f) Photosynthesis and food chain productivity s 1 Chemistry - Students will learn the concepts of: 2(a) Atomic structure S 2(b) The Periodic Table T 2(c) Amount of substance 2(d) Bonding and structure 2(e) Enthalpy changes Physics - Students will learn about the concepts of: 3(a) Useful energy and efficiency 3(b) Electricity and circuits 3(c) Dynamics. Unit 3 - Science in the modern world Students will study the pre-release material in order to: Develop their knowledge and understanding of the following key concepts and their applications: • topical scientific issues and the related scientific ideas • interpretation of both textual and numerical scientific information from the media and demonstration of clear understanding of the content • processing of data acquired from the media and determining the usefulness and appropriateness of these data • presenting of data in an appropriate form. The public perception of science and the influe</p>	<p>Unit 3 coverage to continue until Exam. Unit 2 - Applied experiemntal techniques in Biology 1(a) Rate of respiration 1(b) Light-dependent reaction in photosynthesis (the Hill reaction) Applied experimental techniques in chemistry 2(a) Volumetric analysis: 2(b) Colorimetric analysis Applied experimental techniques in physics 3(a) Resistivity 3(b) Specific heat capacity</p>	<p>Applied experimental techniques in physics 3(a) Resistivity 3(b) Specific heat capacity. Students will under take 1 exam of 90mins on Topic 1</p>