

KS4 Science
Curriculum Content - Long term plan

Year 1	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic	ELECTRICITY	BIOLOGY:THE HUMAN BODY	INTRODUCTION TO FOSSILS	EXPLORING EVERYDAY MATERIALS AND THEIR PROPERTIES	EARTH AND SPACE	BIOLOGY: ENVIRONMENT, EVOLUTION AND INHERITANCE
What is involved?	In this unit, pupils will construct a simple circuit, read circuit drawings and relate circuits to real life situations.	This unit will have pupils knowing the human digestive systems, two other systems i.e. nervous and learn about keeping healthy through diet and exercise.	In this unit, pupils will develop an understanding of deep time, that former life is occasionally recorded as fossils and all animals over geological time, become extinct.	This unit will have pupils exploring the various strengths of materials. Pupils will be carrying out activities to test bounce, stretch, tear etc.	In this unit, pupils will explore the concept of space and earths position among planets of our solar system. Pupils will also learn about the rotation of the earth and the moon.	This unit will invite discussions about inheritance, how animals evolve over time and position humans as part of the animal kingdom.
How they will achieve this.	<p>Pupils will need to complete 3 Teacher Designed Assessment Tasks (TDA) which require a planned investigation/experiment. Pupils will be required to plan the experiment, make predictions, observe health and safety requirements and produce findings with supporting graphs and charts.</p> <p>Pupils will also sit 3 unit tests which cover the content in Biology, Chemistry and Physics.</p> <p>The TDA's and unit exams are combined to provide a grading between 1 or 2 or 3.</p> <p>Those pupils who successfully complete all three components will receive a certification as a single award, and those that complete all six will receive the double award.</p>					