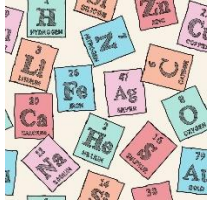

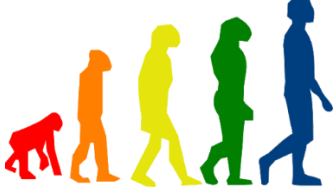
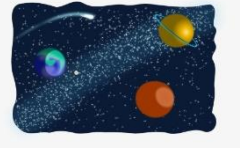




Key Stage 3 Outline Plan

Year 8 2020-2021

The KS3 curriculum in Science is linked to Technology and Maths wherever possible to enable students to apply knowledge obtained in one subject to work being carried out in another. The idea of a STEM curriculum is very important in developing cross-curricular links and soft skills that will help students develop in all of their studies, not just in Science.

Topic	Key words	Working Scientifically links
 <p>Chemistry in Detail Featuring: The Periodic Table; Reactivity</p>	Properties Mendeleev Trends Exothermic Endothermic Displacement Extraction	Percentage Loss or Gain Anomalous Results
<p>Biology in Detail Featuring: Unicellular Organisms; Plant Growth</p> 	Fungi Bacteria Protoctists Decomposers Fertilisers Pesticides Organic	Bias and Validity Pie Charts
 <p>Biology in Action: Featuring: Plants and their reproduction; Genetics and Evolution</p>	Biodiversity Pollination Dispersal Germination Variation DNA Natural Selection	Probability Accuracy and estimates
<p>Physics in Detail: Featuring: Energy Transfers; Forces and Motion</p> 	Temperature Conduction Convection Radiation Speed Turning Forces Machines	Distance-Time Graphs Accuracy and precision
 <p>Physics in Action: Featuring: Earth and Space; Force fields and Electromagnets</p>	Seasons Magnetic Field Gravity Solar System Gravitational Fields Static Electricity Resistance	Rounding Numbers Making comparisons
<p>Chemistry in Action: Featuring: Rocks; Making materials</p> 	Igneous Metamorphic Weathering Erosion Sedimentary Ceramics Polymers Composite Recycling	Peer Review Theories in Geology