

Subject	Year	Term
<b>SCIENCE</b>	<b>7</b>	<b>2</b>
Topic		
<b>Biology – Structure and Function, Chemistry – Elements and compounds, Physics – Forces</b>		
Content (Intent)		
<p><b>Prior Learning (Topic)</b>      Cells, Particles and Separating Mixtures, Energy</p> <p>Students will have improved their investigative SKILLS by identifying and observing the effects of Forces on objects. Students will have learnt and built upon their KNOWLEDGE about the concepts of particles with regards to elements and compounds and chemical formulae</p> <p>Students will have UNDERSTOOD how the body's organ structure is created and how organ systems such as the respiration system work.</p>		
<p><b>Future Learning (Topic)</b>      Reproduction, The Earth and Waves</p>		
What Knowledge and Skills will be taught (Implementation)	How will your understanding be assessed & recorded (Impact)	
<p><b>Biology</b> - There will be a sequence of lessons which include the following themes; cells and body systems. This will include a series of lessons covering gas exchange, breathing, the skeleton, muscles and joints.</p> <p><b>Practical Skills</b> – To observe and recall the parts of different organ systems and how muscles function.</p>	<p><b>Formative Feedback Task (End of unit tests)</b></p> <p>Pupils given formative feedback only on the topics of:            Biology – Structure and function of organisms            Chemistry –Elements, atoms and compounds            Physics – Forces (contact forces and gravity)</p>	
<p><b>Chemistry</b> - There will be a sequence of lessons that cover: Chemical Symbols, properties of atoms and elements, compounds, mixtures and chemical formula.</p> <p><b>Physics</b> – Topics to recall involve identifying types of forces, balanced and unbalanced forces, drag and friction.</p> <p><b>Practical Skills</b> – To make observations during practicals when observing the effects of forces.</p> <p><b>Maths Skills</b> – Plotting graphs and linear equations.</p>	<p><b>All topics listed will also need to be recalled in:</b></p> <p><b>Year 7 Assessment 2</b>  <b>Year 8 Assessment 1 and 2</b>  <b>Year 9 Assessment 1 and 2.</b></p> <p>Pupils given a percentage, formative feedback.</p>	
How can parents help at home?		
<p>Ensure all class work is completed and homework submitted on time.</p> <p>Assist in ensuring the active use of the EDUCAKE online learning platform where each pupil is given a personal log on from their teachers.</p> <p>Encourage pupils to revise for tests and exams and to create revision resources such as flash cards and posters.</p> <p>Ensure all pupils have all their resources required for science lessons, including knowledge organisers, exercise books, pens and calculators</p>		
Helpful further reading/discussion (including Reading and Vocabulary Lists)		
<p><b>Reading</b></p> <p>Use the Educake online learning platform  <a href="http://www.educake.co.uk/">www.educake.co.uk/</a>            Use BBC bitesize  <a href="https://www.bbc.com/bitesize/levels/z4kw2hv">https://www.bbc.com/bitesize/levels/z4kw2hv</a>            Use and review the Knowledge Organisers used in class.</p>	<p><b>Vocabulary Lists</b></p> <p>Drag            Unbalanced Forces            Balanced Forces            Chemical Symbols            Compound            Element</p>	<p>Alveoli            Bronchus            Diaphragm            Antagonistic            Trachea            Tendon</p>