

Subject	Year	Term								
Science	7	3								
Topic										
Biology – Ecology and Classification , Physics – Space, Science - Investigations										
Content (Intent)										
<p>Prior Learning (Topic) Physics - Forces and Magnets, Chemistry – Atoms, Elements and Compounds</p> <p>Students will have a basic KNOWLEDGE on how to classify living organisms based on observable characteristics, recall the movement of the Earth and Moon in relation to each other and the Sun. Recall the day, night and season patterns.</p> <p>Students will have a good UNDERSTANDING of the reasons for classifying living organisms based on observable characteristics and that the movement of planets and moon within our solar system creates day/night cycles and seasons.</p> <p>Students will have the SKILLS to draw conclusions from observations of living organisms.</p>										
<p>Future Learning (Topic) Chemistry – Chemical Reactions, Physics – Electricity, Biology – Energy for Life</p>										
What Knowledge and Skills will be taught (Implementation)	How will your understanding be assessed & recorded (Impact)									
<p>Knowledge - There will be a sequence of lessons which include the following themes; to list the characteristics of animals within habitats and the reasons for those characteristic, to explain the reasons for variation within species and the grouping of organisms as a result, Plant reproduction and seed dispersals</p> <p>Practical Skills – observations used as a means to classify organisms.</p>	<p>Key Piece of work (Homework) Pupils given a percentage and formative feedback provided for a targeted piece of homework.</p> <p>End of topic test Pupils given a percentage, formative feedback grade. Formative feedback provided.</p> <p>End of year 7 exams Pupils given a percentage, formative feedback grade.</p>									
<p>Knowledge - There will be a sequence of lessons which include the following themes; to recall the contents of our solar system, the reasons for orbits, how day and night and seasons on Earth occurs, phases of the moon, the big bang theory and the Doppler effect.</p>	<p>Key Piece of work (Homework) Pupils given a percentage and formative feedback provided for a targeted piece of homework.</p> <p>End of topic test Pupils given a percentage, formative feedback grade. Formative feedback provided.</p> <p>End of year 7 exams Pupils given a percentage, formative feedback grade.</p>									
How can parents help at home?										
<p>Ensure all class booklets are complete 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 booklets, pens and calculators</p>										
Helpful further reading/discussion (including Reading and Vocabulary Lists)										
<p>Reading</p> <p>Use the Educake online learning platform www.educake.co.uk/</p> <p>Use BBC bitesize https://www.bbc.com/bitesize/levels/z4kw2hv</p> <p>Use and review the Booklets used in class.</p>	<p>Vocabulary Lists</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">Lunar Cycle</td> <td>Doppler effect</td> </tr> <tr> <td>Kingdoms</td> <td></td> </tr> <tr> <td>Vertebrate</td> <td></td> </tr> <tr> <td>Adaptation</td> <td></td> </tr> </table>		Lunar Cycle	Doppler effect	Kingdoms		Vertebrate		Adaptation	
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