



Subject	Year	Term
Chemistry	9	3
Topic		
The Atmosphere		
Content (Intent)		
Prior Learning (Topic)	Further Separation Techniques and Analysis	
<p>Students will have a basic KNOWLEDGE on the content of the Earth's Atmosphere, both currently and when the Earth's atmosphere was initially formed.</p> <p>Students will have a good UNDERSTANDING of the processes by which the Earth's atmosphere has changed over billions of years and how the Earth's atmosphere is being polluted today.</p> <p>Students will have the SKILLS to analyse other planets atmospheric data and relate this data to the Earth's original atmosphere.</p>		
Future Learning (Topic)	Bonding	
What Knowledge and Skills will be taught (Implementation)	How will your understanding be assessed & recorded (Impact)	
<p>Knowledge</p> <p>To recall the Earth's atmosphere is dynamic and forever changing and identify gases in the current and initial atmosphere of the Earth.</p> <p>List the causes of these changes whether man-made or part of natural cycles.</p> <p>Recall the problems caused by increased levels of air pollutants and that they require scientists and engineers to develop solutions that help to reduce the impact of human activity.</p>	<p>Key Piece of work (Homework)</p> <p>Pupils given a percentage and formative feedback.</p> <p>End of topic test</p> <p>Pupils given a percentage. Formative feedback provided.</p> <p>Year 10 Assessment 1</p> <p>Pupils given a percentage. Formative feedback provided.</p>	
<p>Maths Skills – Graph reading and description of graphs.</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>Reading</p> <p>EDUCAKE online learning platform.</p> <p>BHHS Knowledge organisers</p> <p>Resources on TEAMS</p> <p>Glossaries</p>	<p>Vocabulary Lists</p> <p>Short Wave Radiation</p> <p>Long Wave Radiation</p> <p>Global Dimming</p>	