



Subject	Year	Term
Chemistry	9	3
Topic		
The Atmosphere		
Content (Intent)		
Prior Learning (Topic)	Chemical 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 To recall the Earth's atmosphere is dynamic and forever changing and identify gases in the current and initial atmosphere of the Earth. List the causes of these changes whether man-made or part of natural cycles. 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) Pupils given a percentage and formative feedback. End of topic test Pupils given a percentage, formative feedback and GCSE equivalent grade. Formative feedback provided. Year 9 end of year exams Pupils given a percentage, formative feedback and GCSE equivalent grade.</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. Assist in ensuring the active use of the EDUCAKE online learning platform where each pupil is given a personal log on from their teachers. Encourage pupils to revise for tests and exams and to create revision resources such as flash cards and posters. 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 AQA revision guides AQA revision cards EDUCAKE online learning platform. GCSE POD BHHS Knowledge organisers</p>	<p>Vocabulary Lists Short Wave Radiation Long Wave Radiation Global Dimming</p>	