



Subject	Year	Term
Chemistry	9	3
Topic		
The Atmosphere		
Content (Intent)		
Prior Learning (Topic) Further Separation Techniques and Analysis		
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.		
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.		
Students will have the SKILLS to analyse other planets atmospheric data and relate this data to the Earth’s original atmosphere.		
Future Learning (Topic) Bonding		
What Knowledge and Skills will be taught (Implementation)	How will your understanding be assessed & recorded (Impact)	
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.	Formative Feedback Task (End of Unit tests) Pupils given formative feedback on: Chemistry – The Atmosphere Assessment 2 (June): Summative assessment including: <ul style="list-style-type: none">Further Separation Techniques and Analysis Cumulative assessment will include Matter (Particle model and Separating mixtures) from year 7. Matter (Periodic table and Reactions) from Year 8.	
Maths Skills – Graph reading and description of graphs.		
How can parents help at home?		
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		
Helpful further reading/discussion (including Reading and Vocabulary Lists)		
Reading EDUCAKE online learning platform. BHHS Knowledge organisers Resources on TEAMS Glossaries	Vocabulary Lists Short Wave Radiation Long Wave Radiation Global Dimming	