

Year 8 Learning Map

C3 - Climate and Earth's Resources				
Prior Learning		Current Learning		Subsequent Learning
This topic builds on the C3 topic in Year 7 where you will have learned about the structure of the earth and different types of rocks.		In this topic you will learn how carbon in the atmosphere passes through the carbon cycle and contributes to global warming. You will learn how metals are extracted from their ores, and evaluate evidence for climate change.		This topic will prepare you for GCSE Chemistry where in C4 you will learn about the changes in the earth's atmosphere over time. You will also link global climate change to atmospheric pollutants.
Lesson Sequencing		Tier 3 Vocabulary	Wider Reading Opportunities	Ways in which parents/carers can support
Lesson 1	The carbon cycle	Global warming Fossil fuels Carbon sink Greenhouse effect Natural resources Mineral Ore Extraction Recycling Electrolysis	'KS3 CPG Science Revision Guide' contains useful revision materials for the science course. How Bad Are Bananas?: The Carbon Footprint of Everything by Mike Berners-Lee A Life on Our Planet: My Witness Statement A Vision for the Future by David Attenborough	Encourage students to use their course home learning booklets to revise and practice key information after each lesson. Ensure students are accessing Microsoft Teams to complete work directed by their teachers.
Lesson 2	Greenhouse gasses			
Lesson 3	Global warming			
Lesson 4	Use of resources			
Lesson 5	Extraction of metals			
Lesson 6	Climate change			
Lesson 7	Evidence for climate change			
Lesson 8	Global warming debate			
Lesson 9	Directed improvement and reflection time			
Lesson 10	P3/C3 assessment			