

## Temperance Term

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	HALF TERM
Topic	<b>C9 Chemistry of the Atmosphere</b>			<b>C10 Using Resources</b>				<b>Revision: C1- Atomic Structure and the Periodic Table</b>	
Challenge Objective and Content (for all learners)	<b>C9-Describe and explain the factors which can affect the chemistry of the Earth's atmosphere</b> -Describe the Earth's early atmosphere -Describe the main changes in the atmosphere over time and the likely cause of these changes -Describe the greenhouse effect			<b>C10-Explain ways to use the Earth's natural resources to manufacture useful products</b> -Distinguish between finite and renewable resources. -Describe the difference in the treatment of ground water and salty water -Carry out a life cycle assessment				<b>C1 – Describe the development and structure of the atom and periodic table.</b>	
Inspire Opportunities	Evaluate the quality of evidence in a report about global climate change			Evaluate alternative methods of metal extraction				Grade 7-9 questions	
Assessment Opportunities	End of Topic Tests			End of Topic Tests				Exam Questions	

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	CHRISTMAS
Topic	<b>Revision: C2- Bonding, Structure and the Properties of Matter</b>	<b>Revision: C3- Quantitative Chemistry</b>	<b>Revision: C4- Chemical Changes</b>	<b>Revision: C5- Energy Changes</b>	<b>Mocks (Paper 1)</b>		
Challenge Objective and Content (for all learners)	<b>C2 – Explain how atoms are held together in structures and describe their properties.</b>	<b>C3 – Use chemical equations as a way to communicate chemical ideas.</b>	<b>C4 – Investigate and predict chemical changes in substances</b>	<b>C5-Explain how the interaction of particles often involves transfers of energy.</b>			
Inspire Opportunities	Grade 7-9 questions	Grade 7-9 questions	Grade 7-9 questions	Grade 7-9 questions			
Assessment Opportunities	Exam Questions	Exam Questions	Exam Questions	Exam Questions			

## Justice Term

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	<b>HALF TERM</b>
Topic	Revision: C6- The Rate and Extent of Chemical Change	Revision: C7- Organic Chemistry	Revision: C8 – Chemical Analysis		Revision: C9 Chemistry of the Atmosphere	Revision: C10 - Using Resources	
Challenge Objective and Content (for all learners)	C6-Understand energy changes that accompany chemical reactions.	C7-Explain the importance of carbon compounds as organic compounds, in terms of structure and properties.	C8-Explain a variety of instrumental methods can be used to analyse substances		C9-Describe and explain the factors which can affect the chemistry of the Earth's atmosphere	C10-Explain ways to use the Earth's natural resources to manufacture useful products	
Inspire Opportunities	Grade 7-9 questions	Grade 7-9 questions	Grade 7-9 questions		Grade 7-9 questions	Grade 7-9 questions	
Assessment Opportunities	Exam Questions	Exam Questions	Exam Questions		Exam Questions	Exam Questions	

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	<b>EASTER</b>
Topic	<b>Mocks (Paper 2)</b>	Revision: C1- Atomic Structure and the Periodic Table	Revision: C2- Bonding, Structure and the Properties of Matter		Revision: C3- Quantitative Chemistry		
Challenge Objective and Content (for all learners)		C1 – Describe the development and structure of the atom and periodic table.	C2 – Explain how atoms are held together in structures and describe their properties.		C3 – Use chemical equations as a way to communicate chemical ideas.		

# Chemistry Learning Journey Year 11

Inspire Opportunities		Grade 7-9 questions	Grade 7-9 questions	Grade 7-9 questions	
Assessment Opportunities		Exam Questions	Exam Questions	Exam Questions	

## Courage Term

	Week 1	Week 2	Week 3	Week 4	Week 5	<b>HALF TERM</b>
Topic	Revision: C4- Chemical Changes		Revision: C5- Energy Changes		Science Skills	
Challenge Objective and Content (for all learners)	C4 – Investigate and predict chemical changes in substances		C5-Explain how the interaction of particles often involves transfers of energy.			
Inspire Opportunities	Grade 7-9 questions		Grade 7-9 questions		Grade 7-9 questions	
Assessment Opportunities	Exam Questions		Exam Questions		Exam Questions Chemistry Paper 1 - 19 <sup>th</sup> May	

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	<b>SUMMER</b>
Topic	<b>Study Leave</b>						
Challenge Objective and Content (for all learners)							
Inspire Opportunities							
Assessment Opportunities	Chemistry Paper 2 – 13 <sup>th</sup> June						