

Chemistry Curriculum Map							
A. Formal Curriculum Key Stage 4							
Core Content & Skills		By the end of key stage FOUR we want all students of Chemistry to know and do the following things: <ul style="list-style-type: none"> <li>- Key Chemical ideas including: atomic theory, periodicity, bonding and properties of matter and quantitative chemistry</li> <li>- Use of practical skills and equipment</li> <li>- Problem solving, application of knowledge, data analysis and evaluation.</li> </ul>					
Prior Knowledge & Skills		In KS4, students of Chemistry will build on the following prior learning: <ul style="list-style-type: none"> <li>- Simple models of particles and atoms</li> <li>- Basic knowledge of chemical reactions and physical changes</li> <li>- Simple practical skills including safe heating, measuring and handling of chemicals</li> </ul>					
Future knowledge		The Curriculum in KS4 Chemistry will prepare students for the following future learning: <ul style="list-style-type: none"> <li>- Detailed atomic theory, including electron orbital and sub shell and further groups of periodic table</li> <li>- Simple multistep synthesis and analysis methods, involving chemicals with a wide range of hazards</li> <li>- Detailed physical chemistry of current environmental issues</li> </ul>					
Year 11	Key knowledge, skills and concepts TAUGHT, REVISED, REVISITED AND LEARNT	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
		Rates and Equilibrium	Organic Chemistry	Chemical Analysis  Further Organic Chemistry (Triple)	Chemical Analysis (Triple)  Review and revision (combined)	Review and Revision	Exam Leave
	Key assessment points	End of Unit Test	Mock Exams	End of Unit tests	Exam paper questions	Exam paper questions	Exam paper questions
Year 10	Key knowledge, skills and concepts TAUGHT, REVISED, REVISITED AND LEARNT	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
		Energy Changes  Structure and Bonding	Structure and Bonding	Electrolysis	Electrolysis  Quantitative Chemistry	Quantitative Chemistry  Acids and Alkalies	Acids and Alkalies
	Key assessment points	End of Unit Test	End of Unit Test		End of Unit Test	End of Unit Test	End of Unit Test
Year 9	Key knowledge, skills and concepts TAUGHT, REVISED, REVISITED AND LEARNT	Term 1 Atomic Structure and the Periodic Table	Term 2 Atomic Structure and the Periodic Table	Term 3 Atomic Structure and the Periodic Table Metals	Term 4 Metals	Term 5 The Atmosphere	Term 6 Using Resources



	Key assessment points	Exam questions	Exam Questions	End of Unit Test	End of Unit Test	End of Unit Test	End of Unit Test
B. Holistic development via Enrichment/Personal Development Curriculum							
- Range of wider science reading available for students to borrow							



Chemistry Curriculum Map							
A. Formal Curriculum Key Stage 3							
Core Content & Skills		By the end of key stage 3 we want all students of Chemistry to know and do the following things: <ul style="list-style-type: none"> <li>- Simple models of particles and atoms</li> <li>- Organisation of substances</li> <li>- Basic knowledge of chemical reactions and physical changes</li> <li>- Simple practical skills including safe heating, measuring and handling of chemicals</li> </ul>					
Prior Knowledge & Skills		In KS3, students of Chemistry will build on the following prior learning: <ul style="list-style-type: none"> <li>- A body of key foundational knowledge and concepts from across the three scientific disciplines</li> <li>- Recognise the power of rational explanation</li> <li>- A sense of excitement and curiosity about natural phenomena.</li> <li>- How science can be used to explain what is occurring, predict how things will behave, and analyse causes.</li> </ul>					
Future knowledge		The Curriculum in KS3 Chemistry will prepare students for the following future learning: <ul style="list-style-type: none"> <li>- Development of key Chemical ideas including: atomic theory, periodicity, bonding and properties of matter and quantitative chemistry</li> <li>- Continued development of practical skills and use of equipment</li> </ul>					
Year 8	Key knowledge, skills and concepts TAUGHT, REVISED, REVISITED AND LEARNT	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
		Atoms, Elements and the Periodic Table		Chemical Reactions		The Environment	
	Key assessment points		Unit 1 Test		Unit 2 Test		Unit 3 Test
Year 7	Key knowledge, skills and concepts TAUGHT, REVISED, REVISITED AND LEARNT	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
		States of Matter		Pure and Impure		Acids and Alkalis	
	Key assessment points		Unit 1 Test		Unit 2 Test		Unit 3 Test
B. Holistic development via Enrichment/Personal Development Curriculum							

