## HIGHFIELDS SCHOOL



CURRICULUM OVERVIEW 2023-2024

SUBJECT: GCSE CHEMISTRY EXAMINATION BOARD: OCR		
AUTUMN TERM - YEAR 9	SPRING TERM - YEAR 9	SUMMER TERM - YEAR 9
C1: Particles Atoms, molecules and compounds	<ul> <li>C4: Predicting and identifying reactions and products <ul> <li>C4.2 - Identifying products of chemical reactions</li> </ul> </li> <li>C3: Chemical reactions <ul> <li>C3.1 - Introducing chemical reactions</li> </ul> </li> <li>Revision and Exam preparation (4Rs) <ul> <li>Mini-tests and quizzes for C1 and C4</li> <li>Past examination questions</li> <li>Structured and multiple-choice questions</li> </ul> </li> <li>Potential Practical Activities <ul> <li>Heating baking powder practical</li> </ul> </li> <li>Testing for gases: hydrogen, oxygen, carbon dioxide and chlorine</li> <li>Flame tests</li> <li>Sodium hydroxide precipitate tests</li> <li>Sulfate, carbonate and halide ion tests</li> <li>Metal and acid reactions</li> </ul>	C3: Chemical reactions
C1.1 Atoms, molecules and compounds test.     C1.2 Atoms test.     C4.1 Predicting chemical reactions test.	<ul> <li>ASSESSMENT</li> <li>C4.2 Identifying products test.</li> <li>C3.1 Chemical reactions test.</li> </ul> Mid-Year exam covering C1 and C4 (HT)	<ul> <li>ASSESSMENT</li> <li>C3.2 Energetics test.</li> <li>C3.3 Types of reaction test.</li> </ul> End of Year exam covering C3.1 - C3.3 (HT)

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AUTUMN TERM - YEAR 10	SPRING TERM - YEAR 10	SUMMER TERM - YEAR 10	
<ul> <li>C2: Elements, compounds and mixtures</li> <li>C2.1 - Purity and separating mixtures</li> <li>C2.2 - Bonding</li> <li>C3: Chemical reactions</li> <li>C3.4 - Electrolysis</li> <li>Potential Practical Activities</li> <li>Separation practicals: filtration, simple distillation, evaporation and chromatography</li> <li>Electrolysis practicals</li> </ul>	C2: Elements, compounds and mixtures	C6: Global Challenges	
<ul> <li>ASSESSMENT</li> <li>C2.1 Purity and separating mixtures test.</li> <li>C2.2 Bonding test.</li> <li>C3.4 Electrolysis test.</li> </ul>	C2.3 Properties of materials test.     C5 Controlling reactions test.  Practice exam: C1-C3 (HT/CH)	ASSESSMENT  • C5 Equilibria test.  End of Year exam: C1-C3 (HT/CH)	

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CURRICULUM OVERVIEW 2023-2024

SUBJECT: GCSE CHEMISTRY EXAMINATION BOARD: OCR		
AUTUMN TERM - YEAR 11	SPRING TERM - YEAR 11	SUMMER TERM - YEAR 11
CHEMISTRY (HT) C6: Global Challenges	CHEMISTRY (HT) C6: Global Challenges C6.2 - Organic chemistry C6.3 - Interpreting, interacting with Earth systems  COMBINED SCIENCE (CH) C6: Global Challenges C6.2 - Interpreting, interacting with Earth systems	
C6: Global Challenges C6.1 - Improving processes and products C6.2 - Interpreting, interacting with Earth systems  Revision and Exam preparation (4Rs)  Mini-tests and quizzes for C1–C3  Past examination questions Structured and multiple-choice questions	Revision and Exam preparation (4Rs)  • Mini-tests and quizzes for C1–C6  • Past examination questions  • Structured and multiple-choice questions  • PAG questions  • Summary sheets  • Forms, Seneca quizzes	Revision and Exam preparation (4Rs)  • Mini-tests and quizzes for C1–C6  • Structured and multiple-choice questions  • Past exam paper questions, 6 mark and PAG question booklets  • Summary sheets  • Forms, Seneca quizzes
Potential Practical Activities      Acid-alkali Titrations     Making fertilisers     Corrosion and reducing corrosion     Cracking oil fractions	Potential Practical Activities  Water of crystallisation Bromine water test Hydrogen-oxygen fuel cell (electrolysis)	
C5 Monitoring chemical reactions test (HT).     C6.1 Improving processes and products test.	C6 Organic chemistry test (HT).     C6 Interpreting, interacting with Earth systems.	ASSESSMENT Final GCSE Examinations CHEALSTRY HT (1248)
Pre-mock School exam: C1-C3 (HT/CH) Pre-mock multiple choice exam: C1-C3 (HT/CH) School exam: C1-C3 (HT/CH)	Practice exams: C4-C6 (HT/CH) Practice multiple choice exams: C4-C6 (HT/CH) Practice exams: C1-C3 (HT/CH)	<ul> <li>CHEMISTRY HT (J248)</li> <li>Paper 03: C1-C3 and Paper 04: C4-C6 (HT)</li> <li>COMBINED SCIENCE (CH) (J250)</li> <li>Paper 09: C1-C3 and Paper 10: C4-C6 (CH)</li> </ul>