Woodrush High School - Chemistry

An Academy for Students Aged 11-18

REVISION Plans 8 WEEKS TO SUCCESS!

Exam Board – OCR	**Link to Exam Specification –** **Combined:** **OCR GCSE (9-1) Combined Science A Specification J250 (Gateway Science)** **Triple:** OCR GCSE (9-1) Chemistry A (Gateway Science) J248 Specification **Link to Past Papers –** GCSE - Gateway Science Suite - Combined Science A (9-1) - J250 - OCR GCSE - Gateway Science Suite - Chemistry A (9-1) - J248 - OCR click the **Question papers, mark schemes and reports** tab **Triple Only = Green**

Week	Topics	Subject Content to Revise	Directed Revision – Resources / Online Platforms / Links / QR etc
Week 1 – wb 16th March	**Mocks Round 2**	• **C4:** Group 1 (Alkali Metals), Group 7 (Halogens), Halogen Displacement, Group 0 (Noble Gases), Reactivity of Metals, Metal Displacement Reactions, **Transition Metals, Cations tests, Anions Tests, Identifying Compounds, Instrumental Methods** • **C5:** Rates of Reaction, Collision Theory, Catalysts, Dynamic Equilibrium, Le Chatelier's Principle, **Haber Process and Fertilisers, Contact Process, Gas Moles Reactions, Atom Economy and % Yield** • **C6:** Crude Oil, Hydrocarbons, Extracting Metals from Ores, Extracting Metals with Electrolysis, Water Treatment, **Organic Chemistry, Polymerisation, Cells**, Life Cyle Assessments, Recycling, Atmosphere, Pollution, Greenhouse Effect and Global Warming	**C4 Study Pack – Combined** **C4 Study Pack – Triple** **C5 Study Pack – Combined** **C5 Study Pack – Triple** **C6 Study Pack – Combined** **C6 Study Pack – Triple**

Week 2 – wb 23rd March	**C1**	• **C1:** Particle Model, History of the atom, Atomic Structure, Ions and Isotopes, Elements, Compounds, Mixtures, Solutions and Separating Mixtures.	**C1 Study Pack – Combined** **C1 Study Pack – Triple**
Week 3 – wb 30th March (Easter)	**C1/2**	• **C1:** Particle Model, History of the atom, Atomic Structure, Ions and Isotopes, Elements, Compounds, Mixtures, Solutions and Separating Mixtures. • **C2:** Molecular and displayed formula, Metals and non-metals, History of the periodic table, Bonding (Ionic, Covalent and Metallic), Allotropes of Carbon, Polymers, **Nanoparticles.**	**C1 Study Pack – Combined** **C1 Study Pack – Triple** **C2 Study Pack – Combined** **C2 Study Pack - Triple**

Week 4 – wb 6th April (Easter)	**C2/3**	• **C2:** Molecular and displayed formula, Metals and non-metals, History of the periodic table, Bonding (Ionic, Covalent and Metallic), Allotropes of Carbon, Polymers, **Nanoparticles.** • **C3:** Equations, Conservation of Mass, Gas Tests, Moles (HT), Endothermic and Exothermic reactions, Bond Energies, Reactions of Acids, **Titration**, Titration curves, Redox reactions, Electrolysis	**C2 Study Pack – Combined** **C2 Study Pack - Triple** **C3 Study Pack** – Combined **C3 Study Pack - Triple**
Week 5 – wb 13th April	**C2**	• **C2:** Molecular and displayed formula, Metals and non-metals, History of the periodic table, Bonding (Ionic, Covalent and Metallic), Allotropes of Carbon, Polymers, **Nanoparticles.**	**C2 Study Pack – Combined** **C2 Study Pack - Triple**
Week 6 – wb 20th April	**C3**	• **C3:** Equations, Conservation of Mass, Gas Tests, Moles (HT), Endothermic and Exothermic reactions, Bond Energies, Reactions of Acids, **Titration**, Titration curves, Redox reactions, Electrolysis	**C3 Study Pack** – Combined **C3 Study Pack - Triple**

Week 7 – wb 27th April	**C4/5**	• **C4:** Group 1 (Alkali Metals), Group 7 (Halogens), Halogen Displacement, Group 0 (Noble Gases), Reactivity of Metals, Metal Displacement Reactions, **Transition Metals, Cations tests, Anions Tests, Identifying Compounds, Instrumental Methods** • **C5:** Rates of Reaction, Collision Theory, Catalysts, Dynamic Equilibrium, Le Chatelier's Principle, **Haber Process and Fertilisers, Contact Process, Gas Moles Reactions, Atom Economy and % Yield**	**C4 Study Pack – Combined** **C4 Study Pack – Triple** **C5 Study Pack – Combined** **C5 Study Pack – Triple**
Week 8 – wb 4th May	**C6**	• **C6:** Crude Oil, Hydrocarbons, Extracting Metals from Ores, Extracting Metals with Electrolysis, Water Treatment, **Organic Chemistry, Polymerisation, Cells**, Life Cyle Assessments, Recycling, Atmosphere, Pollution, Greenhouse Effect and Global Warming	**C6 Study Pack – Combined** **C6 Study Pack – Triple**

Exam Week 1 – wb 11th May	**C1-3**	• **C1:** Particle Model, History of the atom, Atomic Structure, Ions and Isotopes, Elements, Compounds, Mixtures, Solutions and Separating Mixtures. • **C2:** Molecular and displayed formula, Metals and non-metals, History of the periodic table, Bonding (Ionic, Covalent and Metallic), Allotropes of Carbon, Polymers, **Nanoparticles.** • **C3:** Equations, Conservation of Mass, Gas Tests, Moles (HT), Endothermic and Exothermic reactions, Bond Energies, Reactions of Acids, **Titration**, Titration curves, Redox reactions, Electrolysis	**C1 Study Pack – Combined** **C1 Study Pack – Triple** **C2 Study Pack – Combined** **C2 Study Pack - Triple** **C3 Study Pack** – Combined **C3 Study Pack - Triple**
Exam Week 2 – wb 18th May	**Chemistry Paper 1 (C1-3): Monday 18th May AM** **C4**	• **C4:** Group 1 (Alkali Metals), Group 7 (Halogens), Halogen Displacement, Group 0 (Noble Gases), Reactivity of Metals, Metal Displacement Reactions, **Transition Metals, Cations tests, Anions Tests, Identifying Compounds, Instrumental Methods**	**C4 Study Pack – Combined** **C4 Study Pack – Triple**

Half Term – wb 25th May		• **C5:** Rates of Reaction, Collision Theory, Catalysts, Dynamic Equilibrium, Le Chatelier's Principle, **Haber Process and Fertilisers, Contact Process, Gas Moles Reactions, Atom Economy and % Yield**	**C5 Study Pack – Combined** **C5 Study Pack – Triple**
Exam Week 4 – wb 1st June		• **C6:** Crude Oil, Hydrocarbons, Extracting Metals from Ores, Extracting Metals with Electrolysis, Water Treatment, **Organic Chemistry, Polymerisation, Cells**, Life Cyle Assessments, Recycling, Atmosphere, Pollution, Greenhouse Effect and Global Warming	**C6 Study Pack – Combined** **C6 Study Pack – Triple**
Exam Week 4 – wb 8th June	**Chemistry Paper 2 (C4-6): Friday 12th June AM** C4-6	• **C4:** Group 1 (Alkali Metals), Group 7 (Halogens), Halogen Displacement, Group 0 (Noble Gases), Reactivity of Metals, Metal Displacement Reactions, **Transition Metals, Cations tests, Anions Tests, Identifying Compounds, Instrumental Methods** • **C5:** Rates of Reaction, Collision Theory, Catalysts, Dynamic Equilibrium, Le Chatelier's Principle, **Haber Process and Fertilisers, Contact Process, Gas Moles Reactions, Atom Economy and % Yield** • **C6:** Crude Oil, Hydrocarbons, Extracting Metals from Ores, Extracting Metals with Electrolysis, Water Treatment, **Organic Chemistry, Polymerisation, Cells**, Life Cyle Assessments, Recycling, Atmosphere, Pollution, Greenhouse Effect and Global Warming	**C4 Study Pack – Combined** **C4 Study Pack – Triple** **C5 Study Pack – Combined** **C5 Study Pack – Triple**

			C6 Study Pack – Combined  C6 Study Pack – Triple 
Exam Week 5 – wb 15th June	Chem done!	• Physics P4-6 (5-8) Focus!	