

Combined Science Year FT Plans

Dates for GCSE Combined Science:

Paper 1 Biology – Tuesday 17th May AM

Paper 1 Chemistry – Friday 27th May AM

Paper 1 Physics – Thursday 9th June PM

Paper 2 Biology – Wednesday 15th June PM

Paper 2 Chemistry – Monday 20th June PM

Paper 2 Physics – Thursday 23rd June AM

Week commencing:	Focus in lessons:	You will be set revision tasks on the following topics:	Support
28 th February	Environmental Chemistry (New Learning) <ul style="list-style-type: none"> - Atmosphere composition - Abundance of gases - Greenhouse Effect - Humans and Climate Change - Atmospheric Pollutants 	<ul style="list-style-type: none"> - Group 1 Metals - Reactivity of Metals 	Evolution of the Atmosphere - https://www.youtube.com/watch?v=l0h_-3M0Pso Greenhouse Effect- https://www.youtube.com/watch?v=oJAbATJCugs
7 th March	MOCK EXAM WEEK		
14 th March	Environmental Chemistry (New Learning) <ul style="list-style-type: none"> - Electrolysis and Reduction (extracting metals) - Crude Oil/Hydrocarbons - Fractional Distillation - Cracking - Life Cycle Assessments and Recycling 	<ul style="list-style-type: none"> - Rate of reaction - Halogen Displacement 	Electrolysis - Electrolysis - GCSE Chemistry (Single Science) Revision - Other - BBC Bitesize Extracting Electrolysis- https://www.youtube.com/watch?v=hOrGntIN3sg Electrolysis Practical- https://www.youtube.com/watch?v=tCHE_7QeRUc

21 st March	Biology Paper 1 <ul style="list-style-type: none"> - Enzymes and DNA - Respiration - Photosynthesis and Practical (Pondweed) - Nervous System - Circulatory system 	<ul style="list-style-type: none"> - Enzymes - Respiration and Exercise 	Nervous System Video- https://www.youtube.com/watch?v=HiuXfbwND9s Scaling up - GCSE Combined Science Revision - OCR Gateway - BBC Bitesize
28 th March	Chemistry Paper 1 <ul style="list-style-type: none"> - Atomic Structure - Chromatography and Purity - Bonding and properties of different materials - Chemical Reactions (to include production of salt practical) 	<ul style="list-style-type: none"> - Atomic Structure - Bonding 	Developing models of atoms - Atomic structure - OCR Gateway - GCSE Chemistry (Single Science) Revision - OCR Gateway - BBC Bitesize Forming ions - Bonding - OCR Gateway - GCSE Chemistry (Single Science) Revision - OCR Gateway - BBC Bitesize Naming salts - Making salts - GCSE Chemistry (Single Science) Revision - BBC Bitesize
EASTER HOLIDAYS WEEK 1		Attend holiday intervention sessions at school. Dates tbc.	
EASTER HOLIDAYS WEEK 2		Attend holiday intervention sessions at school. Dates tbc.	
18 th April	Physics Paper 1 <ul style="list-style-type: none"> - Circuits - Newtons Law's - Motion - Changes of state 	<ul style="list-style-type: none"> - Density Practical - Hooke's Law - Force Diagrams 	Newton's first law - Newton's laws - OCR Gateway - GCSE Combined Science Revision - OCR Gateway - BBC Bitesize Circuit symbols - Circuits - OCR Gateway - GCSE Combined Science Revision - OCR Gateway - BBC Bitesize Current, potential difference and resistance - Resistance - OCR Gateway - GCSE Combined Science Revision - OCR Gateway - BBC Bitesize

25 th April	Biology Paper 2 <ul style="list-style-type: none"> - Ecosystems - Monitoring the Environment (to include sampling techniques practical) - Health and Disease - Genetics and Inheritance 	<ul style="list-style-type: none"> - Inheritance - Abiotic/biotic factors - Predator and Prey cycles 	Genetic inheritance - Inheritance - OCR Gateway - GCSE Combined Science Revision - OCR Gateway - BBC Bitesize White blood Cells - https://www.youtube.com/watch?v=63XExOKWrqg&t=95s
2 nd May	Chemistry Paper 2 <ul style="list-style-type: none"> - Reactivity of metals - Group Trends (Group 1,7 and 0) 	<ul style="list-style-type: none"> - Fractional Distillation - Crude oil - LCA's 	Chemical symbols and formulae - Formulae and equations - OCR 21C - GCSE Combined Science Revision - OCR 21st Century - BBC Bitesize Crude oil and hydrocarbons - Fuels - OCR Gateway - GCSE Combined Science Revision - OCR Gateway - BBC Bitesize Early ideas about atoms - Atomic structure - AQA - GCSE Chemistry (Single Science) Revision - AQA - BBC Bitesize
9 th May	Physics Paper 2 <ul style="list-style-type: none"> - Waves - Power and efficiency - Energy transfer practicals - Radioactivity - National Grid 	<ul style="list-style-type: none"> - Circuit Practicals - Renewable and non-renewable energy 	Isotopes - What is radioactivity? - OCR 21C - GCSE Combined Science Revision - OCR 21st Century - BBC Bitesize Types of waves - Properties of waves - OCR Gateway - GCSE Combined Science Revision - OCR Gateway - BBC Bitesize Energy transfers - Energy stores and transfers - OCR Gateway - GCSE Physics (Single Science) Revision - OCR Gateway - BBC Bitesize
16 th May	Biology – Application and Practical Focus <ul style="list-style-type: none"> - Mixed exam practice covering all content from both papers, with a focus on practical skills and application. 	<ul style="list-style-type: none"> - Respiration, Photosynthesis, Plant Transport, Circulation. 	Enzyme Practical- https://www.youtube.com/watch?v=8Yqbu56lmXk Photosynthesis Practical- https://www.youtube.com/watch?v=id0aO_OdFwA Sampling Techniques Practical- https://www.youtube.com/watch?v=RhMOCxXcDrQ

23 rd May	Chemistry - Application and Practical Focus <ul style="list-style-type: none">- Mixed exam practice covering all content from both papers, with a focus on practical skills and application.	<ul style="list-style-type: none">- Atomic Structure- Bonding- Rate of reaction- Halogen Displacement	Electrolysis Practical- https://www.youtube.com/watch?v=tCHE_7QeRUc Halogen Displacement reaction- https://www.youtube.com/watch?v=TMwplNZJmQo Making a salt Practical- https://www.youtube.com/watch?v=qlOMlwBoe_4 Measuring rate of reaction - https://www.youtube.com/watch?v=Gf6LVI7oAIU https://www.youtube.com/watch?v=ssa3wh3RNt0
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