



"The more clearly we can focus our attention on the wonders and realities of the universe about us, the less taste we shall have for destruction." Rachel Carson, world-renowned conservationist, marine biologist and author of 'Silent Spring'.

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Our Science curriculum is designed to be stimulating and accessible to all. It aims to capture the enthusiasm and curiosity of students, motivating them to study Science further. Our lessons provide students with many opportunities to explore Science through a range of activities that allow them to continually develop key practical skills that will support their journey from Year 7 right through to A-level.

Students will encounter new knowledge, methods, processes and uses of Science and learn to appreciate how these affect them and the world around them.





		Term I	Term 2	Term 3	Term 4	Term 5	Term 6
Year 7		Particles Cells	Elements and Compounds Body Systems	Body Systems Forces Space	Acids and Alkalis Light	Acids and Alkalis Light Using Chemistry Reproduction	Using Chemistry Reproduction
Ye	ear 8	Separating Mixtures Electricity and Magnetism	Health and Drugs Energy	Health and Drugs Energy	Metals Sound	Metals Sound Ecosystems	Ecosystems Cycles
	Biology	Adaptations, Interdependence and Competition	Adaptations, Interdependence and Competition	DNA and Evolution Cell structure and Transport	Cell structure and Transport	Cell structure and Transport	Cell division
Year 9	Chemistry	Atomic Structure	Atomic Structure	The Periodic Table	The Periodic Table	The Earth's Atmosphere	The Earth's Resources
	Physics	Energy Transfer Conservation and Dissipation of Energy	Energy Transfer Conservation and Dissipation of Energy	Energy Resources	Energy Resources	Molecules and Matter	Molecules and Matter





		Term I	Term 2	Term 3	Term 4	Term 5	Term 6
	Biology	Cell Division Organisation and the Digestive System	Organisation and the Digestive System Organising Plants and Animals	Organising Plants and Animals Communicable Diseases	Preventing and Treating Disease Photosynthesis	Non-communicable Diseases Photosynthesis	Respiration Human Nervous System
Year 10	Chemistry	The Earth's Atmosphere and The Earth's Resources Structure and Bonding	Structure and Bonding Chemical Calculations	Chemical Calculations Chemical Changes	Chemical Changes Electrolysis	Electrolysis Energy Changes	Energy Changes Rates of Reaction
Phy	Physics	Molecules and Matter Electrical Circuits	Electrical Circuits Electricity in the Home	Electricity in the Home	Radioactivity Forces in Balance	Forces in Balance Motion	Motion Force and Motion
	Biology	Human Nervous System Hormonal Communication	Hormonal Communication Genetics and Reproduction	Genetics and Reproduction Variation and Evolution	Variation and Evolution Genetics and Evolution	Organising an Ecosystem Biodiversity and Ecosystems	Revision
Year II	Chemistry	Rates of Reaction	Crude Oil and Fuels	Chemical Analysis	The Earth's Atmosphere The Earth's Resources	Revision	Revision
	Physics	Forces and Motion	Wave Properties	Electromagnetic Waves	Magnetism and Electromagnetism	Revision	Revision

GCSE exam board: AQA GCSE Trilogy Combined Science (8464)





	Term I	Term 2	Term 3	Term 4	Term 5	Term 6
Year 10	Cell Division	Organisation and the Digestive System	Organising Plants and Animals	Preventing and Treating Disease	Non-communicable Diseases	Respiration
	Organisation and the Digestive System	Organising Plants and Animals	Communicable Diseases	Photosynthesis	Photosynthesis	Human Nervous System
Year II	Human Nervous System	Hormonal Communication	Genetics and Reproduction	Variation and Evolution	Organising an Ecosystem	Revision
	Hormonal Communication	Homeostasis in Action Genetics and Reproduction	Variation and Evolution	Genetics and Evolution	Biodiversity and Ecosystems	

GCSE exam board: AQA GCSE Biology (8461)





	Term I	Term 2	Term 3	Term 4	Term 5	Term 6
Year 10	The Earth's Atmosphere	Structure and Bonding	Chemical Calculations	Chemical Changes	Electrolysis	Energy Changes
	The Earth's Resources	Chemical Calculations	Chemical Changes	Electrolysis	Energy Changes	Rates of Reaction
	Structure and Bonding					
	Rates of Reaction	Crude Oil and Fuels	Polymers	The Earth's	Revision	Revision
Year II	Crude Oil and Fuels	Organic Reactions Polymers	Chemical Analysis The Earth's Atmosphere	Resources Using Our Resources		

GCSE exam board: AQA GCSE Chemistry (8462)





	Term I	Term 2	Term 3	Term 4	Term 5	Term 6
Year 10	Molecules and Matter	Electrical Circuits	Electricity in the Home	Radioactivity	Forces in Balance	Motion
	Electrical Circuits	Electricity in the Home	Radioactivity	Forces in Balance	Motion	Force and Motion
Year II	Force and Motion	Force and Pressure	Electromagnetic Waves	Light	Revision	Revision
rear 11	Force and Pressure	Wave Properties	Light	Space		





	Term I	Term 2	Term 3	Term 4	Term 5	Term 6
Year 12	Exchange Surface and Breathing	Transport in Animals	Transport in Plants	Biological Molecules	Enzymes	Year 13 course starts
	Cell Structure	Biological Membranes	Biological Molecules	Nucleic Acids	Biodiversity	Respiration
	Transport in Animals Biological Membranes	Transport in Plants Cell Division, Cell Diversity and Cell	Communicable Diseases	Classification and Evolution		Communication and Homeostasis
	Respiration	Differentiation Photosynthesis	Plant Responses	Patterns	Manipulating	
Year 13	Communication and Homeostasis Excretion Photosynthesis Neuronal	Neuronal Communication and Hormonal Control Animal Responses Cellular Control	Patterns of Inheritance Cloning and Biotechnology	of Inheritance Cloning and Biotechnology Ecosystems Manipulating Genomes	Genomes Population and Sustainability Revision	
	Communication			Genomes		

A level exam board: OCR Biology A





	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year 12	Atoms, Isotopes, Ions and Compounds	Amount of Substance	Basic Concepts of Organic Chemistry	Alkenes	Alcohols	Organic Synthesis
1041 12	Electrons and Bonding	Shapes of Molecules and Intermolecular	Alkanes	Alcohols	Haloalkanes	Spectroscopy
	Amount of Substance	Forces	Alkenes	Enthalpy	Organic Synthesis	
	Shapes of Molecules	Acids and Redox Reactions	Periodicity	Reaction Rates and Equilibrium	Reaction Rates and Equilibrium	
	and Intermolecular Forces		Reactivity Trends		Spectroscopy	
Year 13	Rates of Reaction	Acids, Bases and pH	Amines, Amino Acids and Polymers	Transition Elements	Revision	Revision
icai is	Equilibrium	Enthalpy and Entropy	Redox and Electrode	Chromatography and		
	Aromatic Chemistry	Carbonyls and Carboxylic Acids	Potentials	Spectroscopy		
	Acids, Bases and pH	,	Transition Elements			

A level exam board: OCR Chemistry A





	Term I	Term 2	Term 3	Term 4	Term 5	Term 6
Year 12	Particles and Nucleotides Introduction to Mechanics Motion and its Measurement	Motion and its Measurement Newton's Laws of Motion Fundamental Particles Electrons and Energy Levels	Newton's Laws of Motion Work, Energy and Power Particles of Light	Momentum Current Electricity	Properties of Materials Electrical Circuits	Waves Combining Waves
Year 13	Circular Motion Gravitation Simple Harmonic Motion Electric Fields	Simple Harmonic Motion Electric Fields Thermal Physics Magnetic Fields	Capacitance Magnetic Flux	Alternating Currents and Transformers The Evidence for the Nucleus Radioactive Decay	Nuclear Energy Astrophysics Revision	

A level exam board: AQA Physics