Year group: 7

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Cells	Cells, tissues and organs	Organ systems	Skeleton	Reproduction	Plant pollination
Plant cells	Diffusion	Levels of organisation	Assessed written task	Adolescence	Fertilisation Germination
Animal cells	Unicellular organisms	Respiratory system	Joints	Fertilisation	Seed dispersal
Using microscopes	Assessed written task	Breathing system	Muscles	Development of a Foetus	Assessed written task
Specialised cells	Revision	Gas exchange	Revision	Menstrual cycle	Revision
Mid topic assessment	Assessment	Mid topic assessment	Assessment	Mid topic assessment	Assessment

Resources to support independent learning:

Activate Science: Biology BBC Bitesize: KS3 - BBC Bitesize

Year group: 7

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Passport to science	Reliability & Accuracy	Particles and their behaviour	More changes of states of matter	Acids and Alkalis	Neutralisation
Equipment & lab skills	Drawing tables and graphs	The particle model	Diffusion	Hazard Symbols	Rainbow fizz
Investigating the change in temp	Secondary data	States of matter	Gas pressure	Acids	Making salts
Measurements and Units	Flying bands	Melting and freezing	Assessed written task	Alkalis	Naming salts
Variables	Na Na Batman	Boiling	Revision	The pH scale	Assessed written task
Assessment	Assessment	Assessment	Assessment	Assessment	Assessment
Mid topic assessment	Assessment	Mid topic assessment	Assessment	Mid topic assessment	Assessment

Resources to support independent learning:

Activate Science: Chemistry BBC Bitesize: KS3 - BBC Bitesize

Year group: 7

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Forces	Friction	Making sound	Light	Space	The moon
Weight and Mass	Air resistance	Waves	Reflection	The night sky	Discovering the universe
Upthrust	Streamlining	Hearing	Refraction	Sora system	The big bang
Balanced & unbalance	Assessed written task	Echoes & Ultrasound	Eye & camera	Earth – day and night	Assessed written task
Hooke's law	Revision	Assessed written task	Colour	Earth - seasons	Revision
Assessment	Assessment	Assessment	Assessment	Assessment	Assessment
Mid topic assessment	Assessment	Mid topic assessment	Assessment	Mid topic assessment	Assessment

**Resources to support independent learning:** 

Activate Science: Physics BBC Bitesize: KS3 - BBC Bitesize

Year group: 8

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Health & Lifestyle	Drugs	Adaptation 7 Inheritance	Inheritance	Photosynthesis	Ecosystems
Nutrients	Alcohol	Competition	Natural Selection	The leaf	Aerobic respiration
Unhealthy diet	Smoking	Adapting to change	Extinction	Plant minerals	Anaerobic respiration
Digestive system	Assessed written task	Variation	Assessed written task	Food chains	Assessed written task
Bacteria and enzymes	Revision	Continuous and Discontinuous	Revision	Disrupting food webs	Revision
Assessment	Assessment	Assessment	Assessment	Assessment	Assessment
Mid topic assessment	Assessment	Mid topic assessment	Assessment	Mid topic assessment	Assessment

Resources to support independent learning:

Activate Science: Biology BBC Bitesize: KS3 - BBC Bitesize

Year group: 8

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Atoms, elements & compounds	Thermal decomposition	The Periodic table	Solutions	Acids & metals	Ceramics
Chemical formulae	Conservation of mass	Group 1	Solubility	Metals & oxygen	Polymers
Chemical reactions	Exothermic & endothermic	Group 7	Filtration & evaporation	Metals & water	Composites
Word equations	Assessed written task	Group 0	Distillation	Displacing reactions	Assessed written task
Burning fuels	Revision	Mixtures	Chromatography	Extracting metals	Revision
Assessment	Assessment	Assessment	Assessment	Assessment	Assessment
Mid topic assessment	Assessment	Mid topic assessment	Assessment	Mid topic assessment	Assessment

Resources to support independent learning:

Activate Science: Chemistry BBC Bitesize: KS3 - BBC Bitesize

Year group: 8

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Charging up	Magnets & magnetic fields	Energy	Energy & power	Motion & pressure	Liquid Pressure
Circuits & current	Electromagnets	Conduction	Efficiency	Speed	Pressure on solids
Potential difference	Making an electromagnet	Convection	Work done	Distance-time graphs	Moments
Series & Parallel	Assessed written task	Radiation	Assessed written task	Acceleration	Assessed written task
Resistance	Revision	Energy sources	Revision	Gas Pressure	Revision
Assessment	Assessment	Assessment	Assessment	Assessment	Assessment
Mid topic assessment	Assessment	Mid topic assessment	Assessment	Mid topic assessment	Assessment

Resources to support independent learning:

Activate Science: Physics BBC Bitesize: KS3 - BBC Bitesize

**GCSE title:** GCSE Biology

Exam Board: Edexcel

Paper 1 (Paper code: 1BIO/1F, 1BIO/1H)

Written examination: 1 hour and 45 minutes

50% of the total qualification

Paper 2 (Paper code: 1BIO/2F, 1BIO/2H)

Written examination: 1 hour and 45 minutes



Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic 1 – Key concepts in biology: Animal and plant cells	Topic 1 – Key concepts in biology: Diffusion	Topic 2 – Cells and control: Stem cells	Topic 3 - Genetics: Sexual and asexual reproduction	Topic 3 – Genetics: Alleles	Topic 4 – Natural selection and genetic modification - Darwin and evolution.
Topic 1 – Key concepts in biology: Microscopes	Topic 1 – Key concepts in biology: Osmosis	Topic 2 – Cells and control: The Brain	Topic 3 - Genetics: Meiosis	Topic 3 - Genetics: Alleles	Topic 4 – Natural selection and genetic modification: Human evolution
Topic 1 – Key concepts in biology: Specialised cells	Topic 1 – Key concepts in biology: Active transport	Topic 2 – Cells and control: Central Nervous system	Topic 3 - Genetics - Structure and extraction of DNA.	Topic 3 - Genetics: Genomes	Topic 4 – Natural selection and genetic modification: Classification
Topic 1 – Key concepts in biology: Enzymes	Topic 2 – Cells and control: Mitosis	Topic 2 – Cells and control: Synapses and the reflex arc	Topic 3 - Genetics - Protein synthesis	Topic 3: Genetics - Inheritance and mutations	Topic 4 – Natural selection and genetic modification: Genetic engineering

Topic 1 – Key concepts in biology: Energy in food	Topic 2 – Cells and control: Growth in animal and plant cells	Topic 2 – Cells and control: The Eye	Topic 3 - Genetics: Genetic code	Topic 3: Genetics - Inheritance and mutations	Topic 4 – Natural selection and genetic modification: Selective breeding and <b>Tissue</b> culture
Assessment	Assessment	Assessment	Assessment	Assessment	Assessment
Topic 1 mid test	End of topic 1 test	End of topic 2 test	Y9 Internal assessment	End of topic 3 test	End of topic 4 test

GCSE Biology or GCSE Combined Science Edexcel/Pearson Textbook

CGP Revision Guides (Edexcel GCSE Biology or GCSE Combined Science)

BBC bitesize: GCSE Biology
Seneca Learning: Seneca

**GCSE title:** GCSE Chemistry

Exam Board: Edexcel

Paper 1 (Paper code: 1CH0/1F and 1CH0/1H)

Written examination: 1 hour and 45 minutes

50% of the total qualification

Paper 2 (Paper code: 1CH0/2F and 1CH0/2H)

Written examination: 1 hour and 45 minutes



Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic 7 - Rates of reaction: Collision theory	Topic 2 - States of matter & separating te chniques: States of matter	Topic  1a - Atomic structure: Ato mic structure	Topic 6 - Groups in the Periodic Table: Alkali metals	Topic 4a - Metals: Reactivity series	Topic 8b – Atmosphere: Our at mosphere, past and present
Topic 7 - Rates of reaction: Effect of changing surface area	Topic 2 - States of matter & separating techniques: Melting point and boiling point	Topic 1a - Atomic structure: Ele ctrons, protons and neutr ons	Topic 6 - Groups in the Periodic Table: Alkali metals	Topic 4a - Metals: Oxidation and reduction	Topic 8b – Atmosphere: Greenh ouse Effect
Topic 7 - Rates of reaction: Effect of changing temperature	Topic 2 - States of matter & separating techniques: Distillation	Topic 1a - Atomic structure: Electron configuration	Topic 6 - Groups in the Periodic Table: Halogens	Topic 4a - Metals: Extraction by reduction	Topic 8b – Atmosphere: Greenh ouse Effect
Topic 7 - Effect of changing concentration and catalysts	Topic 2 - States of matter & separating techniques: Crystallisation and evaporation	Topic 1b - Periodic Table: Periodic T able position	Topic 6 - Groups in the Periodic Table: Halide displacement reactions	Topic 4a Metals: Extraction by electrolysis and phytomining	Topic 8b – Atmosphere: Mitigati ng factors and data analys is

Topic 7 - Rates	Topic 2 - States of matter	Topic	Topic 6 - Groups in the	Topic 4a	Review
of reaction: Energy	& separating techniques:	1b - Periodic Table: Mend	Periodic Table: Noble	Metals: Life cycle assessm	
in reactions and reaction profiles	Chromatography and water purification	eleev's Periodic Table	gases	ents	
Assessment	Assessment	Assessment	Assessment	Assessment	Assessment
End of topic 7 test	End of topic 2 test	End of topic 1a/b test	Y9 Internal assessment	End of topic 4a test	End of topic 8a test

GCSE Chemistry or GCSE Combined Science Edexcel/Pearson Textbook

CGP Revision Guides (Edexcel GCSE Chemistry or GCSE Combined Science)

BBC bitesize: GCSE Chemistry
Seneca Learning: Seneca

**GCSE title:** GCSE Physics

Exam Board: Edexcel

Paper 1 (\*Paper code: 1PHO/1F and 1PHO/1H)

Written examination: 1 hour and 45 minutes

50% of the total qualification

Paper 2 (Paper code: 1PH0/2F and 1PH0/2H)
Written examination: 1 hour and 45 minutes

Year group: 9	
PHO/1H) inutes	
HD/2H) inutes	

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic	Topic 2 – Motion and	Topic 2 – Motion and	Topic 3 – Conservation of	Topic 4 – Waves: Describi	Review
1 – Motion: Vectors and s	forces	forces: Newton's Third	energy: Energy efficiency	ng waves	
calars		Topic 2 – Motion and forces: Momentum	CE BE		Topic 4 – Waves: Waves crossing boundaries
Topic 1 – Motion: Calculating	Topic 2 – Motion and forces: Resultant forces	Topic 2 – Motion and forces: Stopping	Topic 3 – Conservation of energy: Keeping warm	Topic 4 – Waves: Wave speeds	Review
speed and distance-time graphs	1/0	distances			Topic 4 – Waves: Ears and hearing
Topic 1 – Motion: Acceleration	Topic 2 – Motion and forces: Newton's First	Review	Topic 3 – Conservation of energy: Stored energies	Topic 4 – Waves: Core practical on investigating	Review
	Law	Topic 2 – Motion and		waves	Topic 4 –
		forces: Braking distance and energy			Waves: Ultrasound
Topic	Topic 2 – Motion and	Topic 2 – Motion and	Topic 3 – Conservation of	Topic 4 – Waves:	Review
1 – Motion: Velocity-time	forces: Mass and weight	forces: Crash Hazards	energy: Non-	Describing waves	
graphs			renewable resources		Topic 4 –
			V		Waves: Infrasound

Review	Topic 2 – Motion and	Topic 3 – Conservation of	Topic 3 – Conservation of	Topic 4 – Waves: Refracti	Review
	forces: Newton's Second	energy: Energy stores and	energy: Renewable	on	
	Law	transfers	resources		
	Topic 2 – Motion and forces: Core practical on investigating acceleration		V		
Assessment	Assessment	Assessment	Assessment	Assessment	Assessment
Topic 1 End of topic test	Topic 2 mid test	Topic 2 End of topic test	Y9 Internal assessment	Topic 4 mid test	Topic 4 End of topic test

GCSE Physics or GCSE Combined Science Edexcel/Pearson Textbook

CGP Revision Guides (Edexcel GCSE Physics or GCSE Combined Science)

BBC bitesize: GCSE Physics Seneca Learning: Seneca

**GCSE title:** GCSE Biology

Exam Board: Edexcel

Paper 1 (Paper code: 1BIO/1F, 1BIO/1H)

Written examination: 1 hour and 45 minutes

50% of the total qualification

Paper 2 (Paper code: 1BIO/2F, 1BIO/2H)

Written examination: 1 hour and 45 minutes



Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic 4 – Natural selection	Topic 5 –	Topic 5 –	Topic 6 – Plant structures	Topic 7 – Animal	Topic 7 – Animal
and genetic modification	Health, disease and the	Health, disease and the	and their	coordination, control and	coordination, control and
- Darwin and evolution	development of	development of	functions: Limiting factors	homeostasis: Hormones	homeostasis
	medicines: Health and	medicines: Plant diseases	of photosynthesis	and the endocrine system	- Homeostasis
	disease	and defences	CLARCE		
				65	
Topic 4 – Natural selection	Topic 5 –	Topic 5 –	Topic 6 – Plant structures	Topic 7 – Animal	Topic 7 – Animal
and genetic	Health, disease and the	Health, disease and the	and their	coordination, control and	coordination, control and
modification: Human	development of	development of	functions: Absorbing water	homeostasis: Adrenaline	homeostasis - Control of
evolution	medicines: Types of	medicines: Physical and	and mineral ions.	and thyroxine	blood glucose
	diseases	chemical barriers		//	
	1190				
Topic 4 – Natural selection	Topic 5 –	Topic 5 –	Topic 6 – Plant structures	Topic 7 – Animal	Topic 7 – Animal
and genetic	Health, disease, and the	Health, disease, and the	and their	coordination, control and	coordination, control and
modification: Classification	development of	development of	functions: Transpiration	homeostasis: Menstrual	homeostasis -
	medicines: cardiovascular	medicines: Immune	and translocation.	cycle	
	diseases	system			
Topic 4 – Natural selection	Topic 5 –	Topic 5 –	Topic 6 – Plant structures	Topic 7 – Animal	Topic 7 – Animal
and genetic	Health, disease, and the	Health, disease, and the	and their functions: Plant	coordination, control and	coordination, control and
	development of	development of	adaptations.		

modification: Genetic	medicines: Pathogens and	medicines: Vaccines, antib		homeostasis:	homeostasis - Diabetes,
engineering	how they spread	iotics, and monoclonal ant		Contraception	type 1 and 2
		ibodies			
Topic 4 – Natural selection	Topic 5 –	Topic 6 – Plant structures	Topic 6 – Plant structures	Topic 7 – Animal	Topic 7 – Animal
and genetic	Health, disease, and the	and their functions:	and their functions: Plant	coordination, control and	coordination, control and
modification: Selective	development of	Photosynthesis	hormones and their uses	homeostasis: Assisted	homeostasis - Kidneys,
breeding and Tissue	medicines: Viruses			reproductive therapy	osmoregulation, ADH and
culture					formation of urea in the
					liver
Assessment	Assessment	Assessment	Assessment	Assessment	Assessment
Y10 Internal assessment	Topic 5 mid test	End of topic 5 test	End of topic 6 test	Topic 7 mid test	Y 10 Internal assessment

GCSE Biology or GCSE Combined Science Edexcel/Pearson Textbook

CGP Revision Guides (Edexcel GCSE Biology or GCSE Combined Science)

BBC bitesize: GCSE Biology
Seneca Learning: Seneca

**GCSE title:** GCSE Chemistry

Exam Board: Edexcel

Paper 1 (Paper code: 1CH0/1F and 1CH0/1F Written examination: 1 hour and 45 minute

50% of the total qualification

Paper 2 (Paper code: 1CH0/2F and 1CH0/2F Written examination: 1 hour and 45 minute

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Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic 7 - Rates of reaction: Collision theory	Topic 3a - Acids: pH	Topic 3a – Acids: Solubility	Topic 4a – Metals: Reactivity series	Topic 1a – Atomic Structure	Topic 4b – Equilibrium: Reversib le reactions
Topic 7 - Rates of Reaction: Effect of changing surface rea and temperature	Topic 3a - Acids: Bases, alkalis a nd neutralisation	Topic 3b – Electrolysis: Key terms and ideas	Topic 4a – Metals: Oxidation and reduction	Topic 1b - Periodic Table History	Topic 4b – Equilibrium: Dynamic equilibrium
Topic 7 - Rates of reaction: Effect of changing concentration and catalysts	Topic 3a - Acids: Making a salt from an insoluble base and an acid	Topic 3b – Electrolysis: Example s of electrolysis	Topic 4a - Metals: Extraction by reduction	Topic 1c - Ionic and Covalent bonding	Topic 4b – Equilibrium: Factors that affect equilibrium
Topic 7 - Rates of reaction: Energy in reactions and reaction profiles	Topic 3a – Acids: Reactions of carbonates and metals with acids and testing for gases	Topic 3b – Electrolysis: Oxidatio n and reduction	Topic 4a - Metals: Extraction by electrolysis and phytomining	Topic 1c - Metallic bonding and calculations in chemistry	Topic 4b – Equilibrium: The Haber Process
Topic 1d - Calculations in chemistry review	Topic 3a – Acids: Making a salt from a soluble base and an acid	Topic 3b – Electrolysis: Electroly sis core practical	Topic 4a – Metals: Life cycle ass essments	Topic 1d – Calculations in chemistry	Review

		B			
Assessment	Assessment	Assessment	Assessment	Assessment	Assessment
Y10 Internal assessment	Topic 3 mid test	End of topic 3 test	End of topic 4a test	End of topic 1 Test	Y10 Internal assessment

GCSE Chemistry or GCSE Combined Science Edexcel/Pearson Textbook

CGP Revision Guides (Edexcel GCSE Chemistry or GCSE Combined Science)

BBC bitesize: GCSE Chemistry
Seneca Learning: Seneca

**GCSE title:** GCSE Physics

Exam Board: Edexcel

Paper 1 (\*Paper code: 1PHO/1F and 1PHO/1H)
Written examination: 1 hour and 45 minutes

50% of the total qualification

Paper 2 (Paper code: 1PHO/2F and 1PHO/2H)
Written examination: 1 hour and 45 minutes

	Year group: 10	
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Review	Topic 5 – Light and EM spectrum: Core practical on investigating radiation	Topic 6 – Radioactivity: Radioactive decay	Topic 7 – Astronomy: Sola r system  Topic 7 – Astronomy: Gra	Topic 8/9 – Work and power and forces and their effects: Vector diagrams	Targeted revision
Review	Topic 5 – Light and EM	Topic 6 –	vity and orbits  Topic 7 – Astronomy: Life	Topic 8/9 – Work and	Targeted revision
Neview	spectrum: Using short wavelengths	Radioactivity: Half-life  Topic 6 –	cycle of stars  Topic 7 – Astronomy: Red	power and forces and their effects: Rotational forces	Targeted revision
	Topic 5 – Light and EM spectrum: EM radiation dangers	Radioactivity: Using radioactivity	shift		
Assessment	Assessment	Assessment	Assessment	Assessment	Assessment
Y10 Internal assessment	Topic 5 End of topic test	Topic 6 mid test	Topic 6 End of topic test	Topic 7/8/9 End of topic tests	Y10 Internal assessment

GCSE Physics or GCSE Combined Science Edexcel/Pearson Textbook
CGP Revision Guides (Edexcel GCSE Physics or GCSE Combined Science)

BBC bitesize: GCSE Physics
Seneca Learning: Seneca

**GCSE title:** GCSE Biology

Exam Board: Edexcel

Paper 1 (Paper code: 1BIO/1F, 1BIO/1H)

Written examination: 1 hour and 45 minutes

50% of the total qualification

Paper 2 (Paper code: 1BIO/2F, 1BIO/2H)

Written examination: 1 hour and 45 minutes



Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic 8 – Exchange and transport	Targeted revision for internal assessments	Topic 9 – Ecosystems and material cycles:	Targeted revision for internal assessments	Targeted revision	End of GCSE course
in animals: Transport systems and surface area: volume ratio	8	Ecosystems and energy transfer.		320	
Topic 8 – Exchange and transport in animals: Ficks law	Targeted revision for internal assessments	Topic 9 – Ecosystems and material cycles: Abiotic and biotic factors	Targeted revision for internal assessments	Targeted revision	End of GCSE course
Topic 8 – Exchange and transport in animals: Blood, the heart and the circulatory system	Targeted revision for internal assessments	Topic 9 – Ecosystems and material cycles: Parasites and mutualism	Targeted revision for internal assessments	Targeted revision	End of GCSE course

Topic 8 – Exchange and	Targeted revision for	Topic 9 – Ecosystems and	Targeted revision for	Targeted revision	End of GCSE course
transport in	internal assessments	material	internal assessments		
animals: Lungs, focussing		cycles: Biodiversity and fo			
on the structure of		od security			
alveoli.					
Topic 8 – Exchange and	Targeted revision for	Topic 9 – Ecosystems and	Targeted revision for	Targeted revision	End of GCSE course
transport in	internal assessments	material cycles: The	internal assessments		
animals: Cellular		water, carbon and			
respiration		nitrogen cycles			
Assessment	Assessment	Assessment	Assessment	Assessment	Assessment
End of topic 8 test	Internal assessments	End of topic 9 test	Y11 Internal assessments	Targeted tests	GCSE (external)
					Combined Science/Biolog
					y exams

GCSE Biology or GCSE Combined Science Edexcel/Pearson Textbook
CGP Revision Guides (Edexcel GCSE Biology or GCSE Combined Science)

BBC bitesize: GCSE Biology
Seneca Learning: Seneca

**GCSE title:** GCSE Chemistry

Exam Board: Edexcel

Paper 1 (Paper code: 1CH0/1F and 1CH0/1H)

Written examination: 1 hour and 45 minute.

50% of the total qualification

Paper 2 (Paper code: 1CH0/2F and 1CH0/2H)

Written examination: 1 hour and 45 minute

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Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic 7 - Rates of	Topic 1 Review - Atomic	Topic 8a Fuels -	Revision of all topics	Targeted revision	End of GCSE course
Reaction: Collision theory	Structure	Hydrocarbons			
			Topic 9 - Carboxylic		
Topic 5 - Transition	Topic 5	Topic	acids		
Metals: Properties of	- Quantitative chemistry:	9 - Quantitative chemistry	528.25		
Transition Metals	Gas volume calculations		222	5	
	100	N/	13211	73. II	
Topic 7 - Rates of	Topic 1 Review - History	Topic 8a Fuels	Revision of all topics	Targeted revision	End of GCSE course
Reaction: Effect	of Periodic Table	- Fractional distillation			
of changing surface area			Topic 9 - Alcohols	11	
	Topic 5	Topic 9 - Reactions		//	
Topic 5 - Electroplating	- Quantitative chemistry:	of hydrocarbons		//	
and Rusting	Gas volume calculations	and testing for alkenes		_//	
Topic 7 - Rates of	Topic 1 Review - Bonding	Topic	Revision of all topics	Targeted revision	End of GCSE course
Reaction: Effect		8a – Fuels: Combustion			
of changing temperature	Topic 5 - Equilibrium		Topic 9 - Reactions of		
	and industrial processes	Topic 9 - Polymers and	carboxylic acids		
Topic 5 - Quantitative		their uses	and alcohols		
Chemistry: Atom					
economy and percentage					
yield					

Topic 7 - Rates of	Topic 1	Topic	Revision of all topics	Targeted revision	End of GCSE course
Reaction: Effect	Review – Calculations	8a – Fuels: Atmospheric p			
of changing concentration	in chemistry	ollution	Topic 9 - Bulk materials		
and catalysts					
	Topic 5 - Equilibrium	Topic 9 -			
Topic 5	and industrial processes	Addition polymerisation			
- Quantitative chemistry:					
Concentration					
calculations			/ //		
Topic 7 - Rates of	Topic 1 Review	Topic 8a – Fuels: Cracking	Revision of all topics	Targeted revision	End of GCSE course
Reaction: Energy	- Calculations in				
in reactions	chemistry	Topic 9	Topic 9 - Nanoparticles		
and reaction profiles		- Condensation polymeris			
	Topic 5 - Fuel cells	ation			
Topic 5					
- Quantitative chemistry:		1	/		
Concentration			/		
calculations					
Assessment	Assessment	Assessment	Assessment	Assessment	Assessment
Topic 7 End of topic test	Y11 Internal assessments	Topic 8a End of topic test	Y11 Internal assessments	Targeted tests	GCSE (external) Combined
	100			Z.	Science/Chemistry exams

GCSE Chemistry or GCSE Combined Science Edexcel/Pearson Textbook

CGP Revision Guides (Edexcel GCSE Chemistry or GCSE Combined Science)

BBC bitesize: GCSE Chemistry

Seneca Learning: <u>Seneca</u>

**GCSE title:** GCSE Physics

Exam Board: Edexcel

Paper 1 (\*Paper code: 1PHO/1F and 1PHO/1H)
Written examination: 1 hour and 45 minutes

50% of the total qualification

Paper 2 (Paper code: 1PH0/2F and 1PH0/2H)

Written examination: 1 hour and 45 minutes



Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Review of previous topics	Topic 10 – Electricity: Current,	Topic 10 – Electricity: More about	Topic 13 – EM induction: Transformers	Targeted revision	End of GCSE course
	charge and energy	resistance Topic 10 –	and energy  Topic 14 – Particle	2	
	8	Electricity: Core practical on investigating resistance	model: Particles and density  Topic 14 – Core practical: Investigating densities		
Review of previous topics	Topic 10 – Electricity: Resistance	Topic 10 – Electricity: Transferring energy  Topic 10 – Electricity: Power  Topic 10 – Electricity: Transferring energy by electricity	Topic 14 – Particle model: Energy and change of state (with calculations) Topic 14 – Particle model: Core practical on investigating water Topic 14 – Particle model: Gas Temperature and pressure	Targeted revision	End of GCSE course

Review of previous topics	Review and targeted revision	Topic 10 – Electricity: Electrical safety  Topic 11 – Static electricity: Charges and static electricity  Topic 11 – Static electricity: Dangers and uses of static electricity	Topic 14 – Particle model: Gas pressure and volume  Topic 15 – Particle model: Bending and stretching and energy transfers  Topic 15 – Particle model: Core practical on investigating springs	Targeted revision	End of GCSE course
Topic 10 – Electricity: Electric circuits	Review and targeted revision	Topic 11 – Static electricity: Electric fields  Topic 12 – Magnetism and motor effect: Magnets and magnetic fields  Topic 12 – Magnetism and motor effect: Electromagnetism	Topic 15 – Particle model: Pressure in fluids  Topic 15 – Particle model: Pressure and upthrust	Targeted revision	End of GCSE course
Topic 10 – Electricity: Current and potential difference	Review and targeted revision	Topic 12 – Magnetism and motor effect: Magnetic forces  Topic 13 – EM induction  Topic 13 – EM induction: The National grid	Review	Targeted revision	End of GCSE course

Assessment	Assessment	Assessment	Assessment	Assessment	Assessment
Topic 8/9 mid test	Y11 Internal assessments	Topic 10-12 End	Y11 Internal assessments	Targeted tests	GCSE (external) Combined
		of topic test			Science/Chemistry exams

GCSE Physics or GCSE Combined Science Edexcel/Pearson Textbook

CGP Revision Guides (Edexcel GCSE Physics or GCSE Combined Science)

BBC bitesize: GCSE Physics
Seneca Learning: Seneca

