

KS3 Science

Year 7

	Main topics covered	Key assessments
TOPICS COVERED ON ROTATION OVER THE YEAR	Particles and their behaviour Structure and Function of body systems Sound waves	Combined test of these 3 topics
	Chemical Reactions Structure and function of cells Forces and their effects	Combined test of these 3 topics
	Reactions of Acids and alkalis Space and the solar system Structure and function of reproductive systems	Combined test of these 3 topics
	Elements, atoms and compounds Healthy eating and Lifestyle choices Properties of Light	Combined test of these 3 topics



KS3 Science

Year 8

	Main topics covered	Key assessments
TOPICS COVERED ON ROTATION OVER THE YEAR	How plants and animals are interdependent Evolution in plants and animals	Ecosystem processes Adaptation and inheritance
	The Periodic table Metals and acids Separation techniques The Earth: rocks and the atmosphere	The Periodic Table and Metals Separation and the Earth
	Electricity and magnetism Energy Motion and pressure	Electricity and magnetism Energy, motion and pressure END OF KS3 ASSESSMENT.



GCSE Combined Science: Trilogy

Year 9

	Main topics covered	Key assessments
Autumn	Chemistry: Periodic Table and Bonding	Chemistry Module Test
	Physics: P13 Electromagnetic Waves	Physics Module Test
	Biology: Cell structure and transport	Biology Module Test
Summer and Spring	Chemistry: C11 The Earth's atmosphere Chemistry: C12 The Earth's resources	Chemistry: Modules C11 and C12
	Biology: Cell structure and transport Biology: Cell division	Biology: Modules B1 and B2
	Physics: P12 Wave Properties Physics: P8 Forces in balance	Physics: Modules P12 and P13

Grading scheme used: 9-1

Name of GCSE course and code: AQA Trilogy Combined Science 8464

Link to specification: <http://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464>



GCSE Combined Science: Trilogy

Year 10

	Main topics covered	Key assessments
Autumn	<p>Biology: B1 Cell Structure and Transport B2 Cell Division</p> <p>Chemistry: C1 Atomic Structure & C2 Periodic Table C3 Structure and bonding C4 Chemical Calculations</p> <p>Physics: P9 Motion P10 Force and motion P11 Force and pressure</p>	<p>Biology: B1 & B2 Module</p> <p>Chemistry: C1 & C2 Module C3 & C4 Module</p> <p>Physics: P8 to P11 Module</p>

Grading scheme used: 9-1

Name of GCSE course and code: AQA Combined Science Trilogy 8464

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GCSE Combined Science: Trilogy

Year 10

	Main topics covered	Key assessments
Spring	<p>Biology: B5 Communicable B6 Preventing and treating disease B7 Non-communicable diseases</p> <p>Chemistry: C5 Chemical changes C6 Electrolysis</p> <p>Physics: P1 Conservation and dissipation of energy P2 Energy transfer by heating</p>	<p>Biology: B5, B6 and B7 Modules Year 10 Mock Exams</p> <p>Chemistry: Year 10 Mock Exams C5 & C6 Modules</p> <p>Physics: P1 and P2 Modules Year 10 Mock Exams</p>

Grading scheme used: 9-1

Name of GCSE course and code: AQA Combined Science Trilogy 8464

Link to specification: <http://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464>



GCSE Combined Science: Trilogy

Year 10

	Main topics covered	Key assessments
Summer	<p>Biology: B8 Photosynthesis B9 Respiration B10 The human nervous system</p> <p>Chemistry: C7 Energy Changes C8 Rates and Equilibrium</p> <p>Physics: P3 Energy resources P4 Electric circuits P5 Electricity in the home</p>	<p>Biology: B8, B9 and B10 Module Year 10 Mock Exams</p> <p>Chemistry: C7 & C8 Module Year 10 Mock Exams</p> <p>Physics: P3 Module P4 & P5 Module Year 10 Mock Exams</p>

Grading scheme used: 9-1

Name of GCSE course and code: AQA Combined Science Trilogy 8464

Link to specification: <http://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464>



GCSE Combined Science: Trilogy

Year 11

	Main topics covered	Key assessments
Autumn	<p>Biology: B13 Reproduction B14 Variation and evolution B15 Genetics and evolution</p> <p>Chemistry: C9 Crude oil and fuels C10 Chemical Analysis C11 The Earth's Atmosphere C12 The Earth's Resources</p> <p>Physics: P6 Molecules and matter P7 Radioactivity</p>	<p>Biology: B13/B14/B15 module</p> <p>Chemistry: C9 & C10 module C11 & C12 module</p> <p>Physics: P6 module P7 module</p>

Name of GCSE course and code: **AQA Combined Science Trilogy 8464**

Link to specification: <http://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464>



GCSE Combined Science: Trilogy

Year 11

	Main topics covered	Key assessments
Spring	<p>Biology: B16 Adaptation, interdependence and completion B17 Organising an ecosystem B18 Biodiversity and ecosystems</p> <p>Chemistry: C15 Using our resources C13/C14 Reflection on Modules Review of course</p> <p>Physics: P15 Electromagnetism P13 Electromagnetic waves</p>	<p>Biology: B16 to B18 Module (Ecology)</p> <p>Chemistry: C15 Module C13/C14 Module</p> <p>Physics: P15/P13 Module</p>

Grading scheme used: 9-1

Name of GCSE course and code: **AQA Combined Science Trilogy 8464**

Link to specification: <http://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464>



GCSE Biology

Year 10

	Main topics covered	Key assessments
Autumn	B1 Cell structure and transport B2 Cell division B4 Organising animals and plants	B1 Module B2 to B4 Module
Spring	B5 Communicable B6 Preventing and treating disease B7 Non-communicable diseases	B5 to B7 Module
Summer	B8 Photosynthesis B9 Respiration B10 The human nervous system	B8 to B10 Module

Grading scheme used: 9-1

Name of GCSE course and code: AQA Biology: 8461

Link to specification: <http://www.aqa.org.uk/subjects/science/gcse/chemistry-8461>



GCSE Biology

Year 11

	Main topics covered	Key assessments
Autumn	B12 Homeostasis in action B13 Reproduction B14 Variation and evolution B15 Genetics and evolution	B13 to B15 Module (Genetics and Reproduction)
Spring	B16 Adaptation, interdependence and completion B17 Organising an ecosystem B18 Biodiversity and ecosystems	B16 to B18 Module (Ecology)
Summer	N/A	N/A

Grading scheme used: 9-1

Name of GCSE course and code: **AQA Biology: 8461**

Link to specification: <http://www.aqa.org.uk/subjects/science/gcse/biology> -8461



GCSE Chemistry

Year 10

	Main topics covered	Key assessments
Autumn	C1 Atomic structure C2 The periodic table C3 Structure and bonding	Module Test C1 and C2 Module Test C3
Spring	C4 Chemical calculations C5 Chemical changes	Module Test C4 and C5 Year 10 Mock Examinations (C1 to C5)
Summer	C6 Electrolysis C7 Energy Changes C8 Rates and equilibrium	Module Test C6 and C7 Module Test C8

Grading scheme used: 9-1

Name of GCSE course and code: AQA Chemistry: 8462

Link to specification: <http://www.aqa.org.uk/subjects/science/gcse/chemistry-8462>



GCSE Chemistry

Year 11

	Main topics covered	Key assessments
Autumn	C9 Crude Oil and Fuels C10 Organic Reactions C11 Polymers C12 Chemical Analysis	Modules C9 and C10 Mock Exams (C1 through to C10)
Spring	C15 Using our resources C13/C14 Reflection on Modules Review of course	Modules C13 to C15
Summer	N/A	N/A

Grading scheme used: 9-1

Name of GCSE course and code: **AQA Chemistry: 8462**

Link to specification: <http://www.aqa.org.uk/subjects/science/gcse/chemistry> **8462**



GCSE Physics

Year 10

	Main topics covered	Key assessments
Autumn	Physics: P9 Motion P10 Force and motion P11 Force and pressure	P8 to P10 Module
Spring	P11 Force and pressure P1 Conservation and dissipation of energy P2 Energy transfer by heating	P10 and P11 Module P1 and P2 Module
Summer	P3 Energy resources P4 Electric circuits P5 Electricity in the home	P3 Module P4 & P5 Module Year 10 Mock Exams

Grading scheme used: 9-1

Name of GCSE course and code: AQA Physics: 8463

Link to specification: <http://www.aqa.org.uk/subjects/science/gcse/physcis> 8463



GCSE Physics

Year 11

	Main topics covered	Key assessments
Autumn	P6 Molecules and matter P7 Radioactivity	P6 module P7 module
Spring	P15 Electromagnetism P13 Electromagnetic waves P14 light	P13-15 Module
Summer	P16 Space	

Grading scheme used: 9-1

Name of GCSE course and code: e.g. AQA Physics: 8463

Link to specification: e.g. <http://www.aqa.org.uk/subjects/science/gcse/physics-8463>

