

Science study programme 2016 – 2017

Date	Study Programme for year 7
05.09.16	Introduction to Science
19.09.16	Cells and Reproduction
07.10.16	States of Matter
02.01.17	Revision and Test
09.01.17	Adaptation and Interdependence
27.02.17	Forces
03.04.17	Elements Mixtures and Compounds
15.05.17	Revision and Test
05.06.17	Electricity

Date	Study Programme for year 8
05.09.16	Energy
17.10.16	Digestion and Respiration
12.12.16	Revision
02.01.17	Revision and Test
09.01.17	Waves
27.02.17	Microbes
03.04.17	Reactions
05.06.17	Revision and Test
19.06.17	Summer Science Enrichment programme

Date	Study Programme for year 9
05.09.16	Physics - Materials
10.10.16	Chemistry - Rate of Reactions
21.11.16	Biology - Plants
16.01.17	Revision
23.01.17	Revision and Test
30.01.17	GCSE (WJEC) Begins
30.01.17	Biology – Respiration (1.2)
20.03.17	Chemistry – Periodic table and Atoms (2.2)
22.05.17	Physics – Generating Electricity (3.2)
03.07.17	Revision and test

Date	Study Programme for year 10: Triple – Biology (WJEC)
05.09.16	Unit 1: Circulation (1.4), Plants and Photosynthesis (1.5), and Ecosystems (1.6)
09.01.17	Unit 2: Classification and Biodiversity (2.1), Cell division and stem cells (2.2), and DNA and Inheritance (2.3 – to be completed post exams)
15.05.17	Unit 1: Biology Revision
14.06.17	Biology Unit 1 Exam

Date	Study Programme for year 10: Triple – Chemistry (WJEC)
05.09.16	Unit 1: Water (1.3), The ever changing Earth (1.4), and Rate of Chemical Change (1.5)
09.01.17	Unit 2: Bonding Structures and properties (2.1), Acids Bases and Salts (2.2), and Metals and their extraction (2.3 - to be completed post exams)
15.05.17	Unit 1: Chemistry Revision
16.06.17	Chemistry Unit 1 Exam

Date	Study Programme for year 10: Triple – Physics (WJEC)
05.09.16	Unit 1: Electricity (1.1), Features of Waves (1.5), Total Internal Reflection (1.6), Seismic Waves (1.7), Kinetic Theory (1.8), Electromagnetism (1.9)
09.01.17	Unit 2: Distance speed and acceleration (2.1), Newton's Law (2.2, and Work and Energy (2.3)
15.05.17	Unit 1: Physics Revision
19.06.17	Physics Unit 1 Exam

Date	Study Programme for year 10: Double Science (WJEC)
05.09.16	Unit 1 Biology: Cells and movement across membranes (1.1), Respiratory systems in humans (1.2), Digestive systems in humans (1.3), Circulatory systems in humans (1.4), Plants and photosynthesis (1.5), and Ecosystems and human impact on the environment (1.6)
21.11.16	Unit 2 Chemistry: Nature of substances and Chemical reactions (2.1), Atomic structure and the periodic table (2.2), Water (2.3), The ever – changing Earth (2.4), and Rate of Chemical Reactions (2.5)
13.02.17	Unit 3 Physics: Electric Circuits (3.1), Generating Electricity (3.2), Making use of Energy (3.3), Domestic Electricity (3.4), and Features of Waves (3.5)
08.05.17	Science Revision for Unit 1, 2, and 3
14.06.17	Double Science Biology Unit 1 Exam
16.06.17	Double Science Chemistry Unit 2 Exam
19.06.17	Double Science Physics Unit 3 Exam
10 Set 6 will be taught Biology, Chemistry and physics simultaneously by 3 teachers.	

Date	Study Programme for year 11: Triple Physics (AQA)
05.09.16	P1: Waves
03.10.16	P2: Forces and Motion, and Electricity, Radiation, atoms and the stars
10.10.16	Triple Physics Centre Assessed Unit
12.12.16	Chemistry Resit Centre Assessed Unit
23. 01.17	P3: Medical application of physics, and Making things work.
24.04.17	Physics Revision
24.05.17	Physics 1 Exam
16.06.17	Physics 2 and Physics 3 Exam

Date	Study Programme for year 11: Additional Science (AQA)
05.09.16	Biology 2: Plants and photosynthesis, communities and organisms and their environment, and Understand how organisms function.
10.10.16	Additional Science Centre Assessed Unit
31.10.16	Chemistry 2: The building blocks of Chemistry, and Rates, Salts and Electrolysis
12.12.16	Core Science Resit Centre Assessed Unit
23.01.16	Physics 2: Forces and Motion, and Electricity, Radiation, atoms and the stars
24.04.17	Science Revision (including Resits)
16.05.17	Biology 1 Exam
18.05.17	Chemistry 1 Exam
24.05.17	Physics 1 Exam
09.06.17	Biology 2 Exam
14.06.17	Chemistry 2 Exam
16.06.17	Physics 2 Exam

Date	Study Programme for year 12: AS Biology
05.09.16	Unit 1: Biochemistry and Cell Organisation
17.10.16	Progress test
12.12.16	Unit 2: Biodiversity and physiology of body systems
16.01.17	6 th form Trial Exams
25.05.17	Unit 1 Biology Exam
06.06.17	Unit 2 Biology Exam

Date	Study Programme for year 12: A2 Biology
05.09.16	Unit 3: Energy, Homeostasis and the Environment
17.10.16	Progress test
12.12.16	Unit 4: Variation, Inheritance, immunology and disease
04.04.17	Unit 5: Practical Assessment: Experiment task - Test 1
05.04.17	Unit 5: Practical Assessment: Experiment task - Test 2
06.04.17	Unit 5: Practical Assessment: Analysis task
12.06.17	Unit 3 Biology Exam
20.06.17	Unit 4 Biology Exam

Date	Study Programme for year 12: AS Physics
05.09.16	Unit 1: Motion, Energy and Matter
17.10.16	Progress test
12.12.16	Unit 2: Electricity and Light
23.05.17	Unit 1 Physics Exam
08.06.17	Unit 2 Physics Exam

Date	Study Programme for year 12: A2 Physics
05.09.16	Unit 3: Oscillations and Nuclei
17.10.16	Progress test
12.12.16	Unit 4: Fields and Option Topic
21.03.17	Unit 5: Practical Assessment: Experiment task - Test 1
22.03.17	Unit 5: Practical Assessment: Experiment task - Test 2
23.03.17	Unit 5: Practical Assessment: Analysis task
15.06.17	Unit 3 Physics Exam
21.06.17	Unit 4 Physics Exam

Date	Study Programme for year 13 Applied Science – Unit 2
05.09.16	Report A: Qualitative analysis
12.09.16	Report C: Organisations that use analytical science
28.11.16	Deadline Report C
05.12.16	Report B: Quantitative analysis
12.12.16	Deadline Report A
13.02.17	Deadline Report B
27.03.17	Deadline for Ammended portfolio (Report A, B, and C)

Date	Study Programme for year 13 Applied Science – Unit 4
05.09.16	Choose Assignment
12.09.16	Planning and Research
26.09.16	Preliminary Practicals
31.10.16	Commence set practical work
12.12.16	Complete all practical work
02.01.17	Evaluate work
23.01.17	Revisit any practical work
27.02.17	Mentoring
24.04.17	Deadline for final write up

Date	Study Programme for year 13 Applied Science – Unit 6
05.09.16	Care Plans
12.09.16	Snail project
31.10.16	Monitoring project and write up
02.01.17	Care Plans
09.01.17	Plant project
27.02.17	Monitoring project and write up
03.04.17	Deadline for final write up

Date	Study Programme for year 13 Applied Science – Unit 8
05.09.16	Finalise Environmental Topic and set out 6 Diaries
12.09.16	1 st Survey
19.09.16	Data Analysis
17.10.16	Deadline for 6 diaries
31.10.16	2 nd Survey and setting of articles
07.10.16	Data Analysis
12.12.16	Deadline for 2 Articles Research Scientific topic
02.01.17	Finalise scientific topic Set 6 diaries
09.01.17	Final survey
16.01.17	Write up analysis
13.02.17	Deadline for 6 diaries
27.02.17	Set 2 articles
03.04.17	Deadline for the 2 articles

Date	Study Programme for year 12 Medical Science: Unit 1
12.09.16	LO1 – Biological Principles
31.10.16	LO2 – Function of human physiological systems
02.01.17	LO3 – How external factors impact on the body
27.02.17	LO4 – Report on human health
24.04.17	LO1 – 4 Revision

Date	Study Programme for year 12 Medical Science: Unit 2
02.01.17	LO1 – The function of physiological measurement tests
16.01.17	LO2 – Understand how to deal with patients
23.01.17	LO3 – Be able to carry out physiological measurements
06.02.17	LO4 – Be able to report on physiological measurements
27.02.17	Practice practical measurement tasks
13.03.17	Commence Assignment
03.04.17	Assignment Deadline
24.04.17	Revision for synoptic paper

Date	Study Programme for year 12 Medical Science: Unit 3
12.09.16	LO1 – Research methods
26.09.16	LO2 – Data collection
03.10.16	LO3 – Data analysis
10.10.16	LO4 – Data processing
17.10.16	LO5 – communication of information
31.10.16	Practice Assignment - Breastfeeding
14.11.16	Evaluate and peer assess
21.11.16	Commence Assignment
21.12.16	Assignment deadline
24.04.17	Revision for synoptic paper

