

# GCSE Science Programmes

The GCSE Science menus are comprised of National Curriculum topics that are adapted for the exam board, specification and tier schools require. Every Science course combines a variety of teaching and learning techniques that maximise engagement and an assessment that provides quantitative evidence of progress made on the day. These are the exam boards and specifications currently available:

## AQA

Biology (8461) Chemistry (8462) Physics (8463) GCSE Combined Science: Trilogy (8464)  
 GCSE Combined Science: Synergy (8465)  
**Foundation Tier (Grades 1 - 5) Higher Tier (Grades 4 - 9)**

## EDEXCEL

Biology (1BI0) Chemistry (1CHO) Physics (1PH0) Combined Science (1SCO)  
**Foundation Tier (Grades 1 - 5) Higher Tier (Grades 4 - 9)**

## OCR Gateway Science Suite

Biology A (J247) Chemistry A (J248) Physics A (J249) Combined Science (J250)  
**Foundation Tier (Grades 1 - 5) Higher Tier (Grades 4 - 9)**

## OCR Twenty First Century Science Suite

Biology B (J257) Chemistry B (J258) Physics B (J259) Combined Science B (J260)  
**Foundation Tier (Grades 1 - 5) Higher Tier (Grades 4 - 9)**

## WJEC Science GCSE (from 2016)

Biology Chemistry Physics Science (Double Award)  
**Foundation Tier (Grades C – G) Higher Tier (A\* - D)**

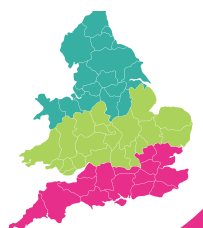
The Topic Focus revision menu offers a range of topics designed to address specific elements of the GCSE Science syllabus. Learners are guided through a selective coverage of the syllabus, building up a personalised revision folder. Each topic includes learner output, expert explanation, engaging activities and assessment for learning. Exam technique is included in every topic and essential mathematics skills are reinforced. Daily 'Confidence Tests' are also completed to measure daily progress. Here is a selection of our most requested topics:

Biology	Chemistry	Physics
Cloning and Genetic Modification	Chemical Formulae and Balancing Equations	Forces
Diffusion and Osmosis	Covalent Bonding	Properties and Hazards of Radiation
Genetic Diagrams	Ionic Bonding	Speed, Velocity and Acceleration
Mitosis and Meiosis	Polymers	Waves
Photosynthesis	RAM, RFM and Moles	Work and Power

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Contact your regional Business Development Manager for more information or to book an appointment

### GCSE Working Scientifically (1 day)

The Working Scientifically course is a one-day option designed to maximise marks in exams and improve scientific literacy.

The menu includes three sections of topics from which to choose: Exam Skills, Scientific Skills and Science History.

The Exam Skills topics target question types that learners will find on their exams. The PET-Xi Science experts will guide learners through the question types and provide top tips on how to maximise their achievement. The Scientific Skills section includes skills all scientists need for conducting valid experiments and answering questions about the world. Science History consists of topics that illustrate the development of scientific theories over time. Any of the Working Scientifically topics can also be included in a Topic Focus day. A short assessment is taken on the day to provide quantitative evidence of progress made by learners.

#### Exam Skills

- Application of Knowledge Questions
- Data Analysis
- QWC Questions
- Scientific Terminology
- Using Physics Equations

#### Scientific Skills

- Developing a Hypothesis
- Drawing Conclusions
- Evaluation Methods
- Planning an Experiment
- Presenting Data

#### Science History

- Atomic Structure
- Development of Medicines
- Geocentric and Heliocentric Models
- The Periodic Table

### GCSE Maths in Science (1-2 days)

The Maths in Science course is a one or two-day course comprising of the essential Maths skills need for GCSE Science. The course includes intensive Maths activities that are essential for GCSE Science and will focus on a number of key skills selected by the school. All content is level-specific and learners will be more confident when attending future Science lessons and Maths lessons. Learners will be provided with a folder in which they will store all activities and worksheets. They will take this folder away with them and can use it as an invaluable tool to help with revision for end-of-year tests. The course will also contain confidence tests to measure progress made during the day.

#### Steve Smith

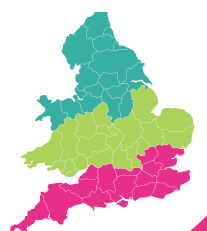
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