



SCIENCE

EXAM BOARD
AQA

<https://www.aqa.org.uk/subjects/science>

- **Separate Sciences**

AQA GCSE BIOLOGY J8461

AQA GCSE CHEMISTRY J8462

AQA GCSE PHYSICS J8463

- **Combined Sciences Trilogy**

AQA GCSE Combined Science Trilogy J8464

EXAM BOARD AQA

- **Separate Sciences**

2 PAPERS FOR EACH SUBJECT

Each paper 1 hour and 45 minutes (100 marks)

Separate Grade awarded for each subject e.g. 5

- **Combined Sciences Trilogy J8464**

2 PAPERS FOR EACH SUBJECT

Each paper 1 hour and 15 minutes (70)

Two grades awarded e.g. 5/5

TIER OF PAPER

- **SEPARATE SCIENCES J8461/J8462/J8463**
- Students sit either foundation or higher tier papers.
- As this is three separate GCSEs they could sit **HIGHER** in one GCSE and **FOUNDATION** in another GCSE

- **COMBINED SCIENCE J8464:**
- Students either sit foundation or higher tier papers

FOUNDATION TIER Grade Range 1 to 5 (1/0 to 5/5)

HIGHER TIER Grade Range 4 to 9 or (4/4 to 9/9)

(Grades in brackets relate to combined science)

RESOURCES

- REVISION BOOK (Issued at beginning of year 10)

- Kerboodle: <https://www.kerboodle.com/>

On-line text books

Kerboodle Assessment activities (set by teacher)

- EXAM PAPERS via AQA Web-site (includes mark schemes)

- <https://www.aqa.org.uk/subjects/science>

- EXAM PAPERS via SMHW

- Required Practical

RESOURCES

- NUMBER OF INTERNET SITES SUCH AS:
- BBC BITESIZE (MULTIPLE CHOICE QUIZZIES TO CHECK UNDERSTANDING)
- SENECA
- REVISION BOOKS / PAPERS
- YOU-TUBE Snappy informative videos;
- Cognit (edu.org)
- Fuse School – Global Education
- Primrose Kitten

REVISION: KNOWLEDGE

- Practise Questions at the back of each module
- Exam style questions at the back of each module
- Literacy:
- Keywords highlighted in text book
- Linking keywords to describe a concept

REVISION: MATHEMATICS

- **35% PHYSICS**
- **25% CHEMISTRY**
- **10% BIOLOGY**

- Percentages
- Calculating mean values
- Ratios
- Calculating gradient of a line
- Drawing a tangent to calculate a gradient (Higher)
- Plotting Graphs / Describing Trends – Refer to the data!
- Drawing lines of best fit (these can be curved!)

See back of the on-line text book

REVISION: Required Practical's

Each subject has a number of required practical's. These are used to test the "How Science Works" skills:

Analyse a chromatogram (Describe how to carry out chromatography)

Design an experiment to identify how surface area effects the rate of a reaction between a base and an acid

(identify the dependent, independent and control variables)

<https://www.focuselearning.co.uk/u/37227/sroFrjdmxFjxvmCrEBkwzEcfFpfDhsicq>

See back of the on-line text book