



**Information Evening  
24th September 2024**

**Mrs Stephenson**  
Head of Science



**Mr Garnett**  
Head of Combined Science

**Miss Harrington**  
Head of Biology

# What courses do we study in Science?

- We use:

AQA Combined Science Trilogy (not synergy)

AQA Biology / Chemistry / Physics



# Combined Science - Exams

## Biology Paper 1

### What's assessed

Biology topics 1–4: Cell Biology; Organisation; Infection and response; and Bioenergetics.

## Biology Paper 2

### What's assessed

Biology topics 5–7: Homeostasis and response; Inheritance, variation and evolution; and Ecology.

## Chemistry Paper 1

### What's assessed

Chemistry topics 8–12: Atomic structure and the periodic table; Bonding, structure, and the properties of matter; Quantitative chemistry; Chemical changes; and Energy changes.

## Chemistry Paper 2

### What's assessed

Chemistry topics 13–17: The rate and extent of chemical change; Organic chemistry; Chemical analysis; Chemistry of the atmosphere; and Using resources.

## Physics Paper 1

### What's assessed

Physics topics 18–21: Energy; Electricity; Particle model of matter; and Atomic structure.

## Physics Paper 2

### What's assessed

Physics topics 22–24: Forces; Waves; and Magnetism and electromagnetism

6 x  
1h15

# Triple Science - Exams

## Biology

### Paper 1

#### What's assessed

Topics 1–4: Cell biology; Organisation; Infection and response; and Bioenergetics.

+

### Paper 2

#### What's assessed

Topics 5–7: Homeostasis and response; Inheritance, variation and evolution; and Ecology.

## Chemistry

### Paper 1:

#### What's assessed

Topics 1–5: Atomic structure and the periodic table; Bonding, structure, and the properties of matter; Quantitative chemistry, Chemical changes; and Energy changes.

+

### Paper 2:

#### What's assessed

Topics 6–10: The rate and extent of chemical change; Organic chemistry; Chemical analysis, Chemistry of the atmosphere; and Using resources.

## Physics

### Paper 1:

#### What's assessed

Topics 1–4: Energy; Electricity; Particle model of matter; and Atomic structure.

+

### Paper 2:

#### What's assessed

Topics 5–8: Forces; Waves; Magnetism and electromagnetism; and Space physics.

Questions in Paper 2 may draw on an understanding of energy changes and transfers due to heating, mechanical and electrical work and the concept of energy conservation from [Energy](#) and [Electricity](#).

6 x  
1h45

# What will be assessed in the exams?

## Assessment Objectives:

- AO1: Demonstrate knowledge and understanding of: scientific ideas; scientific techniques and procedures. – **40%**
  - AO2: Apply knowledge and understanding of: scientific ideas; scientific enquiry, techniques and procedures. – **40%**
  - AO3: Analyse information and ideas to: interpret and evaluate; make judgements and draw conclusions; develop and improve experimental procedures. – **20%**
- 
- **Knowledge & understanding that is not applied counts for only 40% of marks.**
  - **At least 15% of marks are for practical skills rather than theoretical content.**

# Preparing for the Science Progress Exams

- **Plan your revision** – 2/3 GCSEs is a lot of material. Make sure enough time is given to revise everything needed
- **Attend revision and intervention sessions** – these are carefully planned to fill in gaps in knowledge **THURSDAYS AFTER SCHOOL**
- **Know what you need to revise:** all students will have checklists of all the material they need to know. Start by identifying the areas where there are big gaps
- **Use active revision strategies to learn and retain the information** – make use of the many resources available to support revision
- **Practice, practice, practice!**

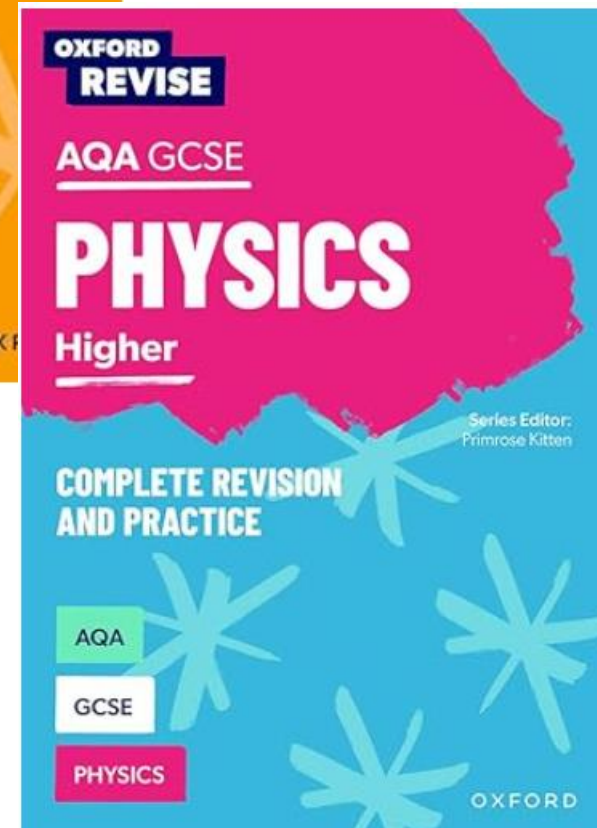
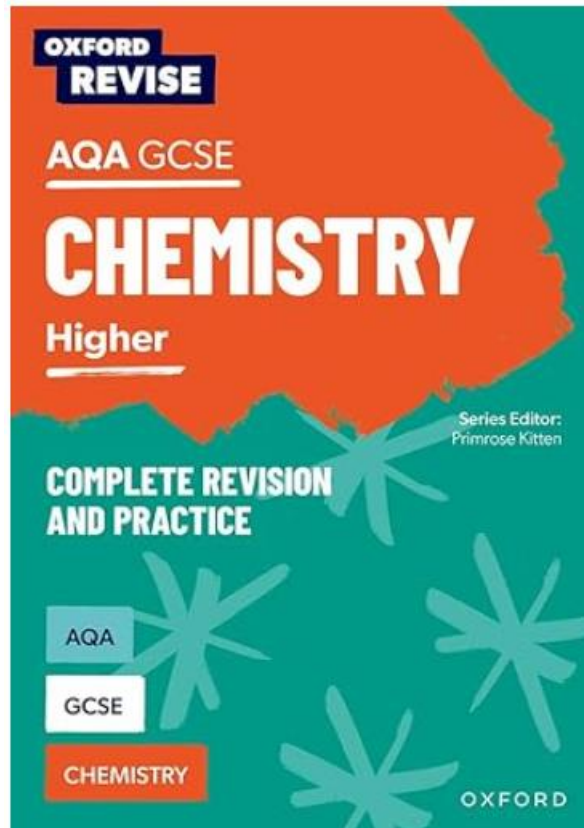
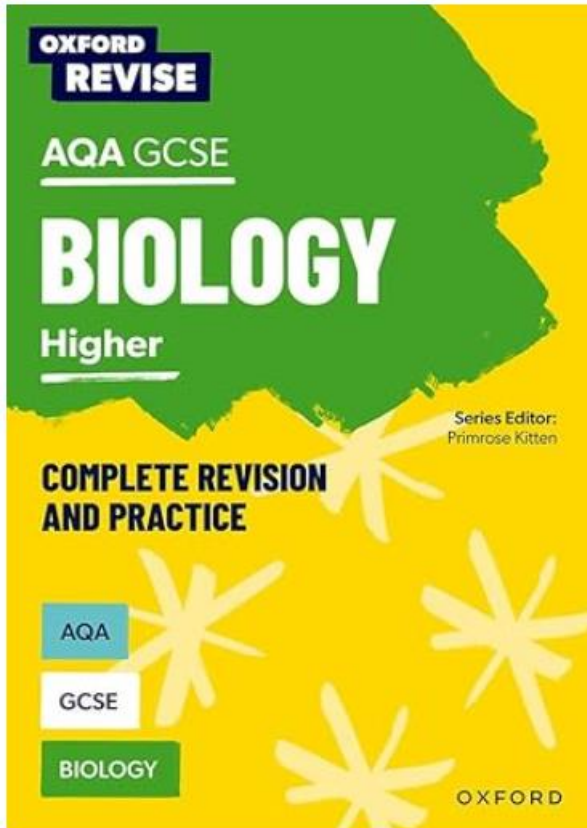
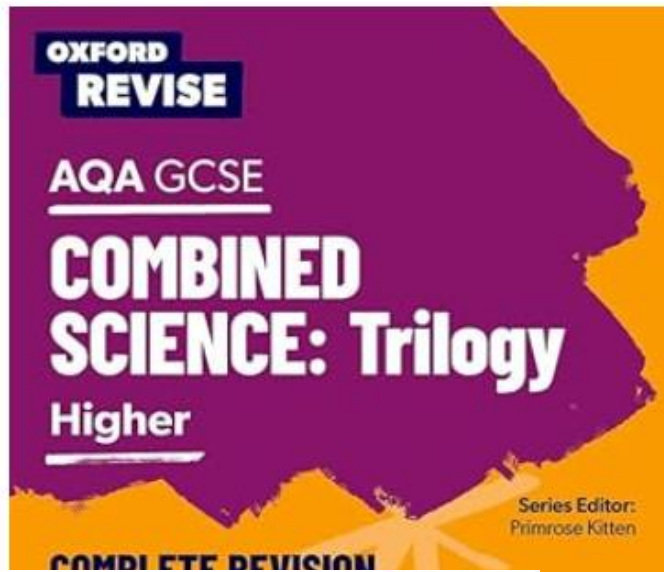
# What resources can students use to support their revision at home?

- Linked checklists
- Revision guides and flash cards (these can be purchased through the school at a discounted rate)
- Seneca learning
- Myton Science YouTube Channel
- AQA website for complete past papers
- **Kayscience.com** Each student has their own log in
- Maths and Physics tutor Mindmaps, notes and past paper questions





# Revision Guides





Quiz Tracker Report

« Back

- 10 TEST
- 10ss1
- 10x1
- 10x2
- 10x3
- 10x4
- Biology
- Chemistry
- Physics

Search...



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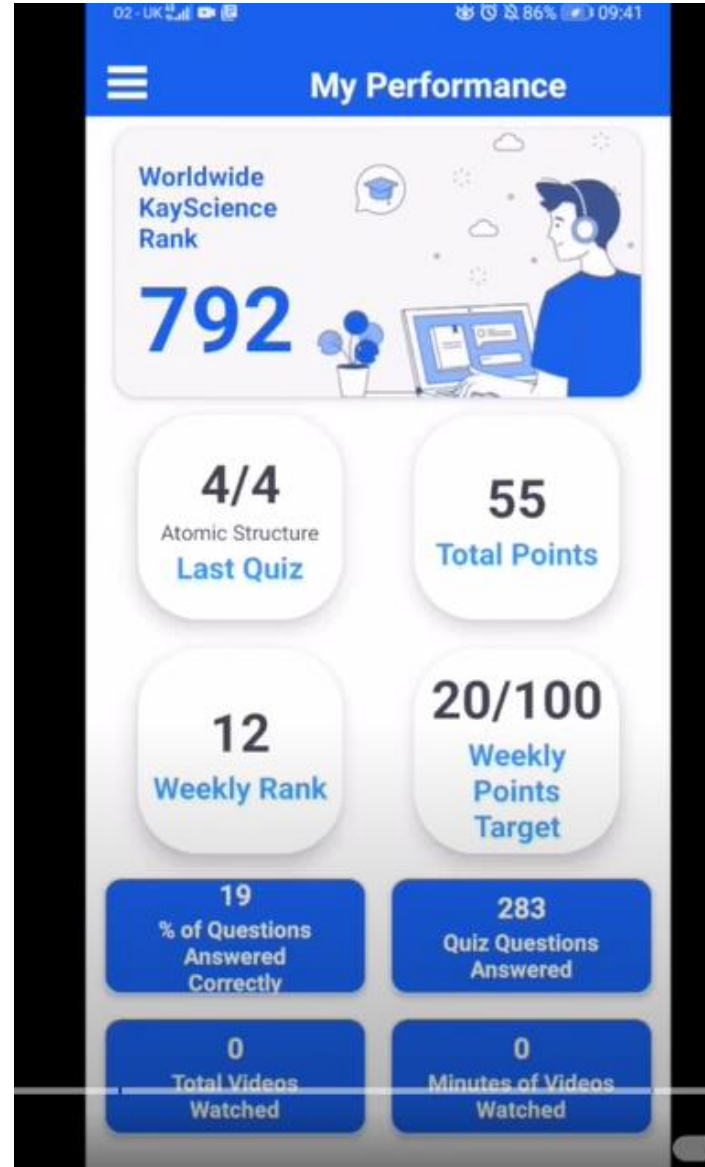
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4:21 / 10:59 - Set Multiple Classes Tasks



Kay  
science  
app





## Paper 1 – Quick wins with the periodic table

### Learning Objectives

- Recall the keywords associated to the table.
- Understand the structure of the periodic table.
- Understand how to use the table to answer questions QUICKLY!



GCSE Chemistry

## GCSE Chemistry – Paper 1 - Quick wins with the periodic table



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All

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Electrons

Lessons



**Learning Objectives**  
• Recall the topic keywords  
• Understand the structure of

**GCSE Chemistry revision – Paper 1 - Atomic Structure an**



## GCSE Combined Science: Trilogy

8464



Specification

Planning resources

Teaching resources

Assessment resources

Key dates

## Assessment resources

Search resources 🔍

Newest first ▾

Items per page 20 ▾

Clear all filters 🔄

Resource type (1) -

- Examiner reports (3)
- Mark schemes (5)
- Question papers

Component (1) -

- Paper 1 Biology

Question papers ✕

Paper 1 Biology ✕

Higher ✕

Showing 13 results



[Question paper \(Higher\): Paper 1 Biology - November 2021](#)

Published 29 Jul 2022 | PDF | 1.8 MB



[Question paper \(Modified A4 18pt\) \(Higher\): Paper 1 Biology - November 2021](#)

Published 29 Jul 2022 | PDF | 2.1 MB

# What extra support is there in school?

- Online revision programme focusing on skills – Kay science and other videos with quizzes made by Myton teachers
- In school intervention (invite only at the moment)
- Revision sessions after school on Thursday (open to all)

