

Exam Success Evening

How to succeed in

Science

Miss Y Johnston

Why is this important?

GCSE Science equips students with essential knowledge and skills, encourages curiosity and problem-solving, and provides a gateway to exciting career opportunities. It is a vital part of a well-rounded education that prepares students for both personal and professional success.

Science helps students understand the natural world, from biology and chemistry to physics. It explains how things work, from the human body to electricity, and the forces that shape the universe.

Topics like ecology, climate change, and sustainability are integrated into the GCSE Science curriculum, helping students become more informed about global environmental challenges and how to address them.

5 Steps to Success

The following steps will help you succeed in your Science GCSEs.

5 Steps to success

1. Know which AQA course your child is on.
2. Sparx Science
3. Targeted exam question practice
4. Revision sessions - from **Wednesday 17th September**
5. Additional revision resources

Step 1 - Which course is my child on?

11Q1 only - Triple science

- 6 X 1hr 45 exams.
- Receive separate grades for biology, chemistry and physics.
- Greater depth of content

All other classes - Combined science

- 6 X 1hr 15 exams.
- Receive a double grade for science
- Students entered for higher or foundation



Science


GCSE



8461

GCSE Biology
Next exam: 12 May 2026
Biology Paper 1 (both tiers)

[Past Papers >](#)



8462

GCSE Chemistry
Next exam: 18 May 2026
Chemistry Paper 1 (both tiers)

[Past Papers >](#)



8463

GCSE Physics
Next exam: 02 Jun 2026
Physics Paper 1

[Past Papers >](#)



8464

**GCSE Combined Science:
Trilogy**
Next exam: 12 May 2026
Combined Science: Trilogy - Biology
Paper 1

[Past Papers >](#)

1.0 Introduction

2.0 Specification at a glance

3.0 Working scientifically

4.0 Biology subject content

5.0 Chemistry subject content

6.0 Physics subject content

7.0 Scheme of assessment

8.0 General administration

9.0 Mathematical requirements

10.0 Practical assessment

1.0 Introduction

1.1 Why choose AQA for GCSE Combined Science: Trilogy

Our philosophy: science for all

We believe that science has something to offer every student. That's why we have a suite of science qualifications for Key Stage 4 – to suit students of all abilities and all aspirations.

The subject content and required practicals in this specification are also in our GCSE Biology, Chemistry and Physics. So you have the flexibility to co-teach and to move your students between courses.

Our specification has been developed with teachers

We've involved over a thousand teachers in developing our specification, exams and resources. So you can be confident that our GCSE Combined Science: Trilogy is interesting and relevant to all types of students. We've ensured that:

- the biology, chemistry and physics content is presented clearly, in a logical teaching order. We've also given teaching guidance and signposted opportunities for skills development throughout the specification
- the subject content and required practicals are also in our biology, chemistry and physics GCSEs so you have the flexibility to co-teach or to move your students between courses
- all our science qualifications provide opportunities for progression. Combined Science: Trilogy gives students the option to progress to A-levels in science or other subjects.

Our practicals have been trialled by teachers

There's no better way to learn about science than through purposeful practical activities as part of day to day teaching and learning. Our 21 required practicals:

- are clearly laid out in the specification, so you know exactly what's required
- are deliberately open, so you can teach in the way that suits you and your students
- have already been trialled in schools.

Step 2 - Sparx Science

Students will be set an assignment on the Sparx Science platform every Wednesday.

It should take a minimum of 60 minutes to complete each week.

The assignment aims to review and consolidate learning in Science. This will develop essential revision and retrieval skills which will prepare students for assessments and exams.

Independent Learning

Personal practice

Let Sparx choose practice questions for you, based on what you've done in your homework.

Start new >



Choose a topic

Search topics:

Level: **Level 2** (Default)

Curriculum: **AQA GCSE**

▼ Biology

▼ Chemistry

▼ Physics

▼ Skills

Choose a topic

Search topics:



Level:

Level 2

(Default) ▾

Curriculum:

AQA GCSE



^ Biology

▾ 4.1: Cell biology

Practise >

▾ 4.2: Organisation

Practise >

▾ 4.3: Infection and response

Practise >

▾ 4.4: Bioenergetics

Practise >

▾ 4.5: Homeostasis

Practise >

▾ 4.6: Inheritance, variation and evolution

Practise >

▾ 4.7: Ecology

Practise >

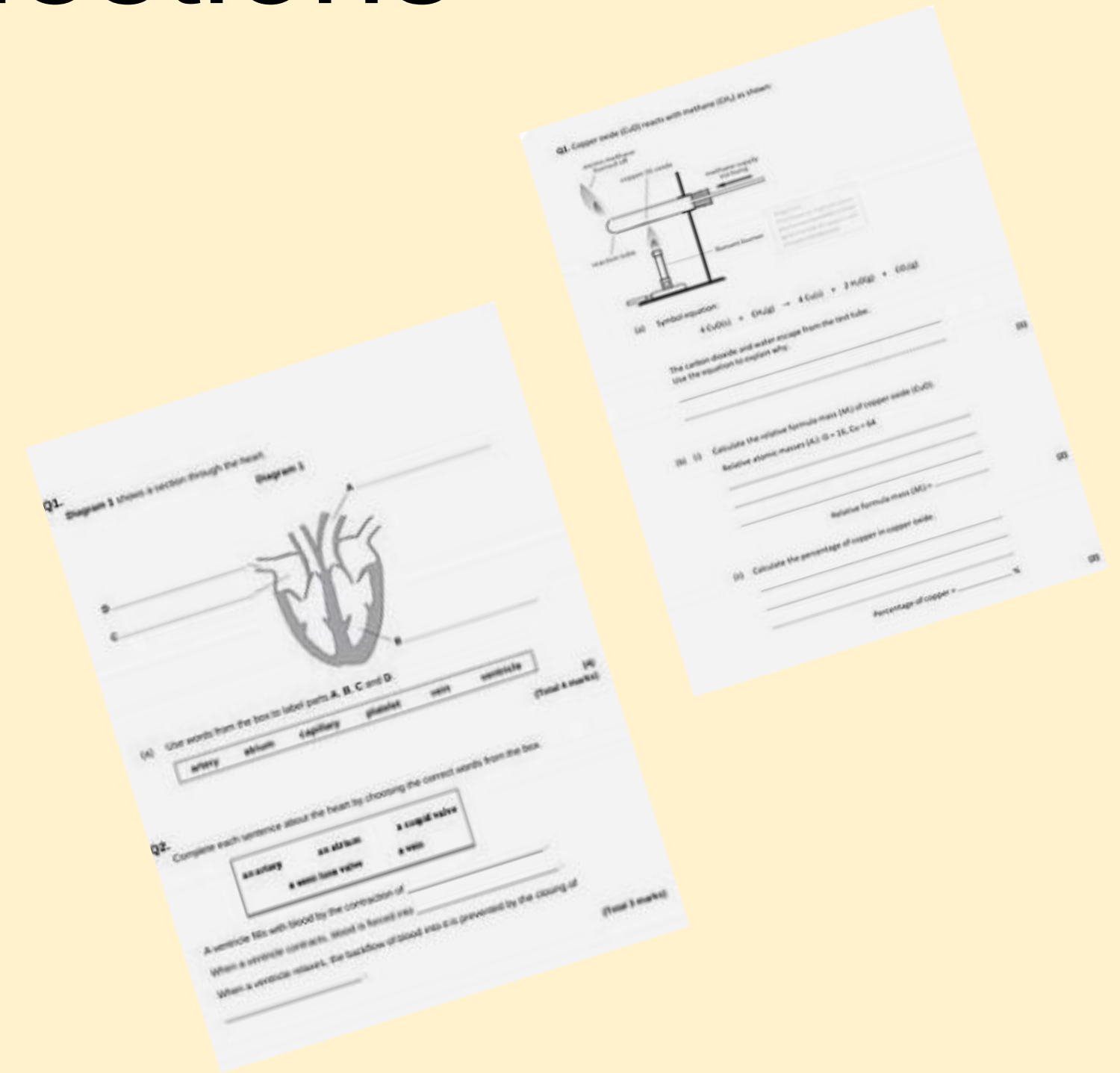
▾  Chemistry

▾  Physics

▾  Skills

Step 3 - Targeted exam questions

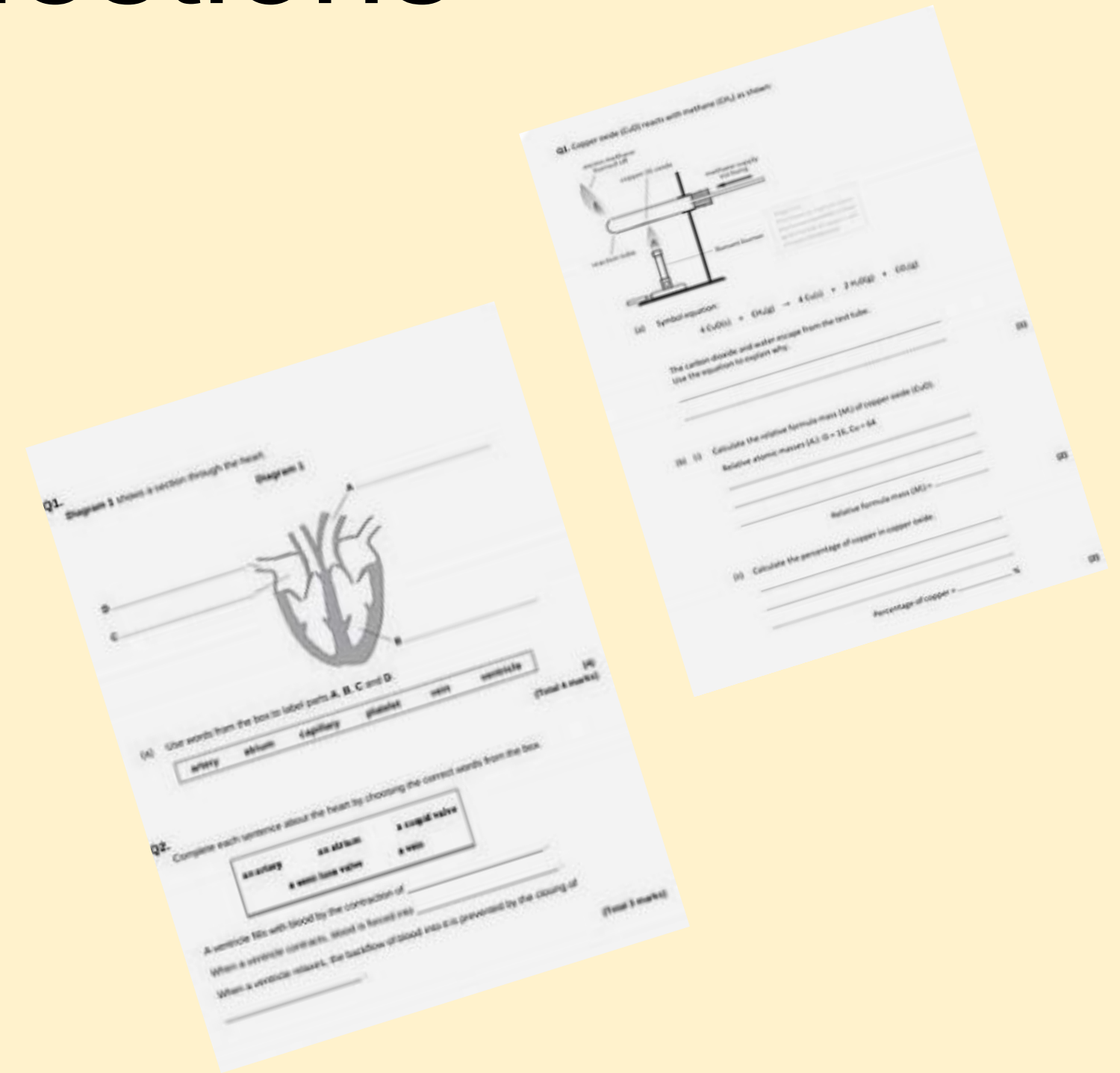
During lessons, teachers will be setting specific exam questions to give students the opportunity to practice their exam technique and understand the expectations from certain command words while also revisiting content.



Step 3 - Targeted exam questions

Students can also access all past exam papers/questions.

<https://www.physicsandmathstutor.com/> is a free website that students can use to access revision notes, flashcards and topic based exam questions



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Find a Tutor

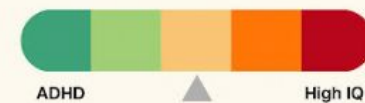
Find an online or in-person tutor

Revision Courses

Courses for GCSEs, A-levels and University Admissions

Is it ADHD or High IQ?

Putting water on your toothbrush before you put toothpaste



TAKE TEST

Your IQ Score in 3 min

My IQ

Open >

Revision

Revision notes, key points, worksheets and questions by topic from past papers

Maths | Physics

Biology | Chemistry

Economics | Geography

English | Psychology

Computer Science

Past Papers

Past GCSE/IGCSE and A-level papers

Solution Banks

Solution Banks for A-level Maths

PMT Education Blog

PMT Education's advice blogs for students, parents and teachers.

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MELIÁ REWARDS



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Physics Revision



Alvaro P. ★ 5.0 (1)

University of Glasgow - MEng
Biomedical Engineering

Biomedical Engineering Masters graduate from the University of Glasgow (First Class Honours) with 7 years experience.

£40 / hour
✓ Graduate

Book Tutor



Online Oxford PAT Preparation Course

Sharpen your problem-solving skills and boost your confidence in our 2-day PAT Preparation Course, running **20-21st September** and **4-5th October**. Learn how to tackle challenging problems, manage your time effectively, and apply key physics and maths concepts with confidence. [Book your place now!](#)

For each of the exam boards below, there are revision notes, factsheets, questions from past exam papers separated by topic and videos.

GCSEs & IGCSEs

AQA

CAIE

Edexcel

OCR A

Eduqas

Edexcel
(IGCSE)

OCR B

WJEC

[Printed GCSE Resources](#)

Connect with PMT Education!



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Here are **10 ways** we can help you get there

Get your free E-Book

Skip ▶



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[Home](#) > [Physics Revision](#) > [AQA GCSE](#)

AQA GCSE Physics Revision

Paper 1

Topic 1:
Energy

Topic 2:
Electricity

Topic 3:
Particle Model of Matter

Topic 4:
Atomic Structure

Practical Skills

Paper 2

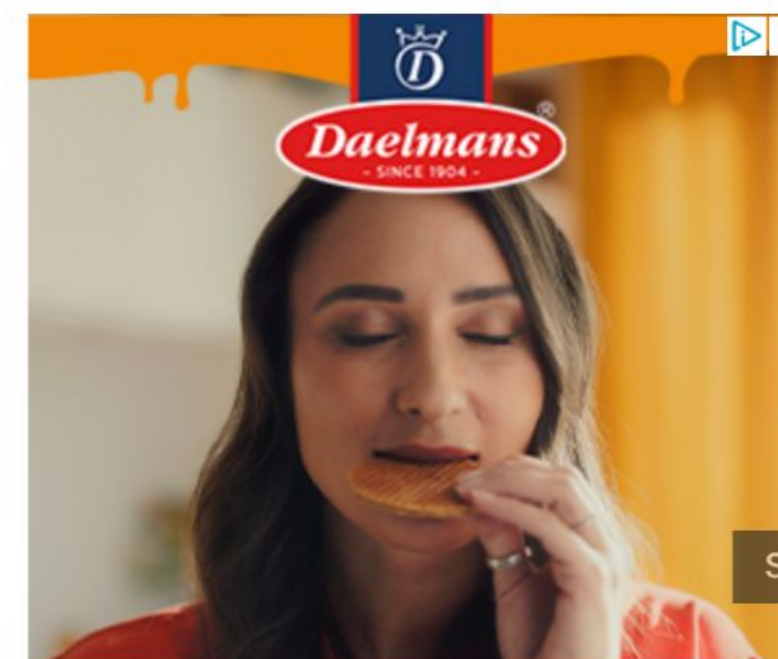
Topic 5:
Forces

Topic 6:
Waves

Topic 7:
Magnetism and Electromagnetism

Topic 8:
Space Physics


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Topic 2 – Electricity




Justina G.
University of Toronto - BSc Materials Engineering
Maths & Science Specialist | Qualified Teacher | GCSE Examiner

£37 / hour

- ✓ Qualified Teacher
- ✓ Examiner
- ✓ SEND
- ✓ Graduate

Book Tutor



This topic is included in [Paper 1](#) for GCSE AQA Physics.

Notes

- [Definitions](#)
- [Mind Maps](#)
- [Summary Notes](#)

Flashcards

- [2.1 Current, Potential Difference and Resistance](#)
- [2.2 Series and Parallel Circuits](#)
- [2.3 Domestic Uses and Safety](#)
- [2.4 Energy Transfers](#)
- [2.5 Static Electricity](#)

PMT Shop

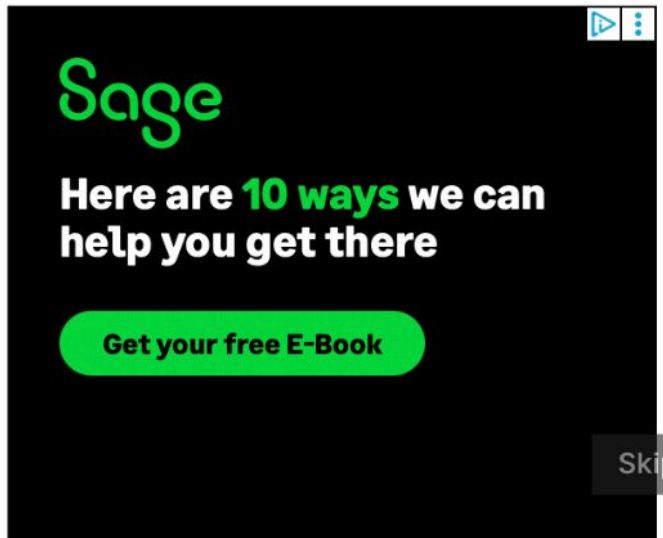
- [Printed AQA Physics Resources](#)

Questions by Topic

2022-2024 papers

- [Current, Potential Difference and Resistance \(F\) MS](#)
- [Current, Potential Difference and Resistance \(F\) QP](#)
- [Current, Potential Difference and Resistance \(H\) MS](#)
- [Current, Potential Difference and Resistance \(H\) QP](#)
- [Domestic Uses and Safety \(F\) MS](#)
- [Domestic Uses and Safety \(F\) QP](#)
- [Domestic Uses and Safety \(H\) MS](#)
- [Domestic Uses and Safety \(H\) QP](#)
- [Energy Transfers \(F\) MS](#)
- [Energy Transfers \(F\) QP](#)
- [Energy Transfers \(H\) MS](#)
- [Energy Transfers \(H\) QP](#)
- [Series and Parallel Circuits \(F\) MS](#)
- [Series and Parallel Circuits \(F\) QP](#)
- [Series and Parallel Circuits \(H\) MS](#)
- [Series and Parallel Circuits \(H\) QP](#)
- [Static Electricity \(F\) MS](#)
- [Static Electricity \(F\) QP](#)
- [Static Electricity \(H\) MS](#)
- [Static Electricity \(H\) QP](#)

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Here are **10 ways** we can help you get there

Get your free E-Book

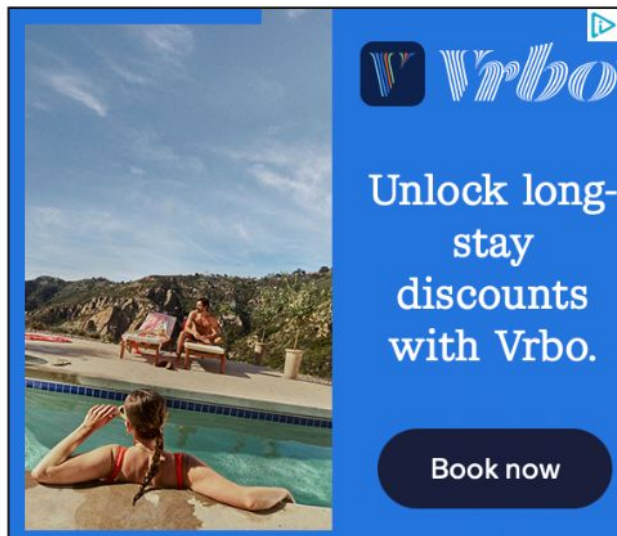
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Every bite a delight

Stroopwafels

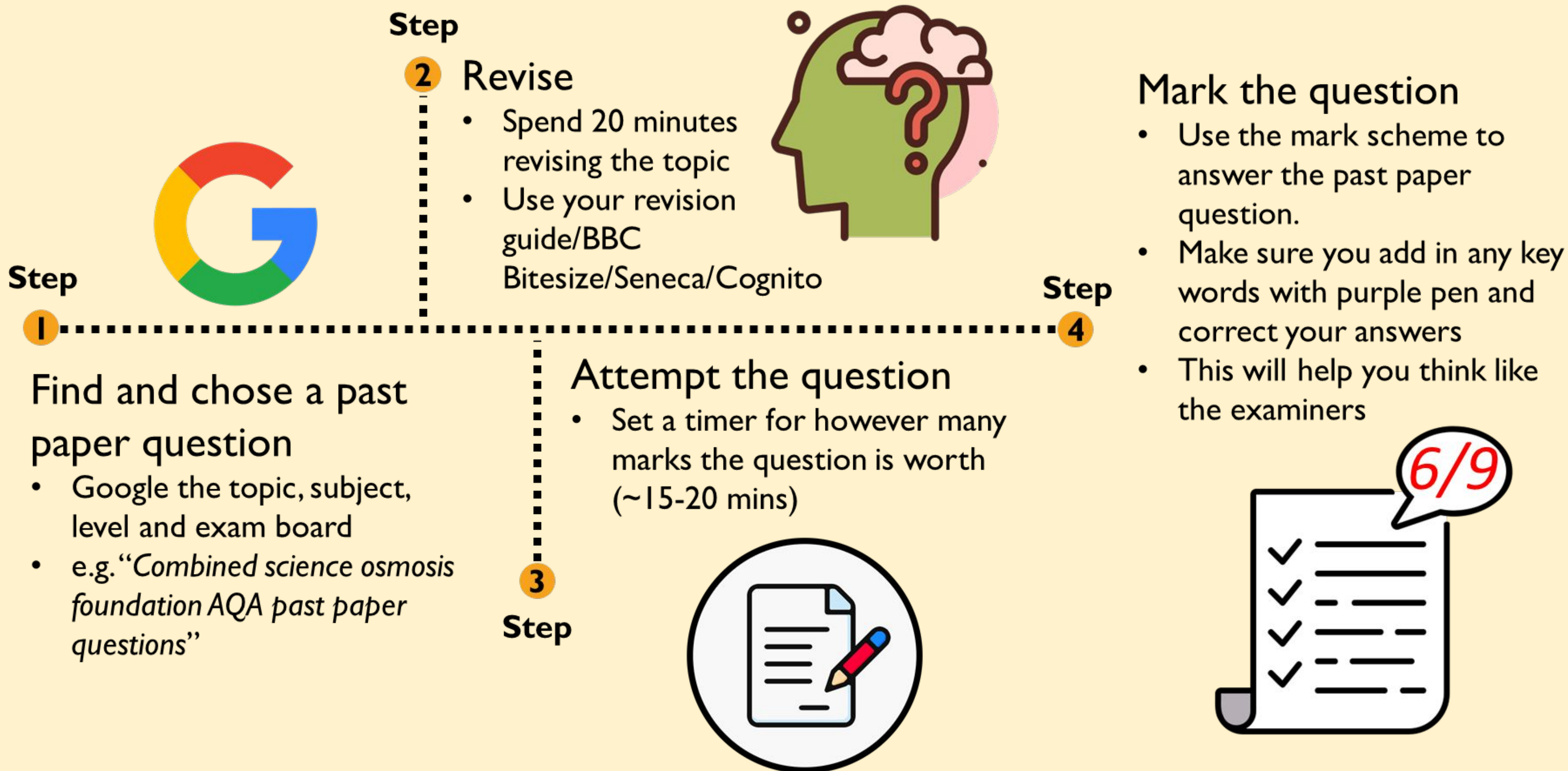


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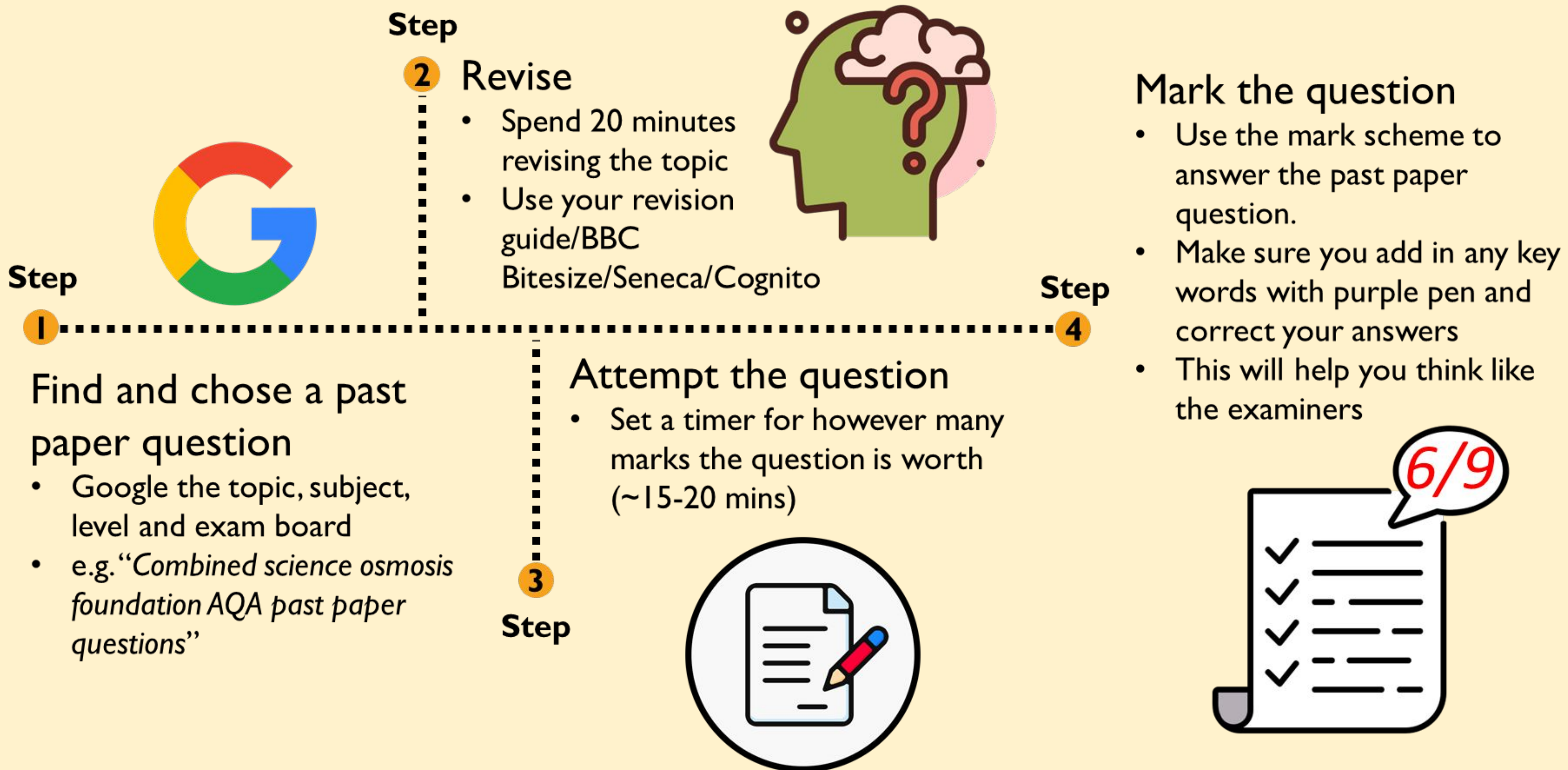
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AN HOUR OF EFFECTIVE *SCIENCE* REVISION



AN HOUR OF EFFECTIVE *SCIENCE* REVISION



Step 4 - After school revision sessions

After school revision sessions will run on **Wednesdays** from the 17th September rotating through Biology, Chemistry and Physics foci each week.

There will be targeted Higher Tier and Foundation Tier sessions.

Step 5 - Additional revision resources

- **CGP** - Revision guides, workbooks, flash cards etc. [link here](#)
- **Physics and maths tutor** - Sorts exam questions by topic as well as having whole papers. [link here](#)
- **Cognito videos** (website or youtube) - very accessible short videos that cover almost every topic. [Website](#) [you tube channel](#)
- **AQA website** for past papers [link here](#)
- **PLC's** - uploaded to google classrooms

How are you going to implement this learning?

- 1. Planning:** Make a revision timetable you can stick to (include breaks and any other commitments). Attend revision sessions each Wednesday.
- 2. Reflect:** Use PLC's and assessments to target gaps in knowledge and areas for improvement.
- 3. Practice:** Use past papers and exam questions to test your knowledge under timed conditions.
- 4. Master Scientific Vocabulary:** Make sure you know what is expected for each command word and use higher level scientific vocabulary in all answers.