

Raising Achievement Evening- Year 11 Science January 2020

AQA GCSE Sciences:
Combined Science (Trilogy)
Biology, Chemistry, Physics

What do students need for

Revision

We recommend [CGP](#)

All the revision timetables are linked to CGP
revision guides and kerboodle textbooks

Exam Board (AQA) materials -all free and open
access

Our booklets of exam papers, kerboodle textbooks
and lots of other materials to support their in-class
(revision 40h in class for combined and 60h for
Triple between their P2 exam and the real thing!)

Revision rotas- in use since
October of year 10

What examinations are taken in Science?

Combined Science (*Double award GCSE*)

Biology paper 1 and paper 2

Chemistry paper 1 and paper 2

Physics Paper 1 and paper 2

(each paper is 1h 15mins)

Triple or Single Sciences (*Three GCSEs*)

Biology paper 1 and paper 2

Chemistry paper 1 and paper 2

Physics Paper 1 and paper 2

(each paper is 1h 45mins)

Combined Science (Trilogy)

<http://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464>

Biology

<http://www.aqa.org.uk/subjects/science/gcse/biology-8461>

Chemistry

<http://www.aqa.org.uk/subjects/science/gcse/chemistry-8462>

Physics

<http://www.aqa.org.uk/subjects/science/gcse/physics-8463>

In general

Describing practical work correctly
exam board guidance:

<http://filestore.aqa.org.uk/resources/science/AQA-SCIENCE-GCSE-SUBJECT-VOCAB.PDF>

Command Words in papers
exam board guidance:

<https://www.aqa.org.uk/resources/science/gcse/teach/command-words>

Core practicals

Science:

<https://filestore.aqa.org.uk/resources/science/AQA-8464-8465-PRACTICALS-HB.PDF>

Chemistry

<https://filestore.aqa.org.uk/resources/chemistry/AQA-8462-PRACTICALS-HB.PDF>

Biology

<https://filestore.aqa.org.uk/resources/biology/AQA-8461-PRACTICALS-HB.PDF>

Physics

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Chemistry periodic table

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* The Lanthanides (atomic numbers 58 – 71) and the Actinides (atomic numbers 90 – 103) have been omitted.

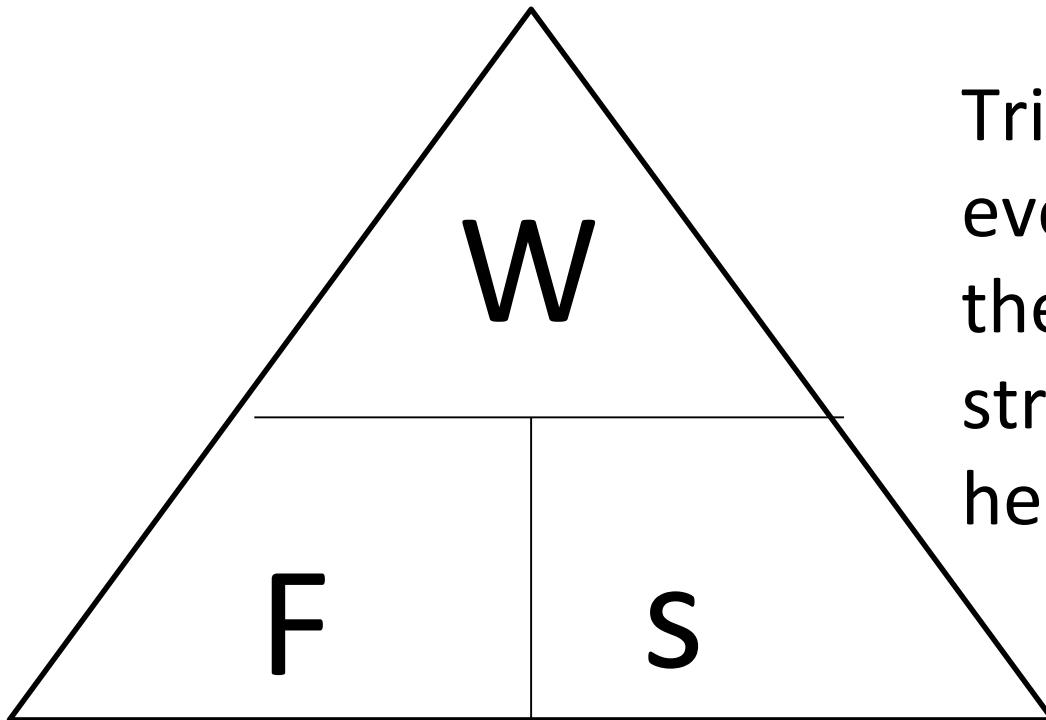
Relative atomic masses for **Cu** and **Cl** have not been rounded to the nearest whole number.

Do not let them do any chemistry exam questions without it or try this 'fun' version from [loC](http://www.loC.org)

Learning the Physics equations:

Repetition- write out the equation every time it is used.

Familiarisation- post equations somewhere well used eg. fridge door/mirror etc.



Triangles don't work for everyone but check with them that they do have a strategy. If not we can help.

Paper Two equations to be learnt:

moment = force x distance **$M = F \times d$** (Phys only)

distance = speed x time **$s = v \times t$**

acceleration = change in velocity / time taken

$$\mathbf{a = v / t}$$

weight = mass x gravity **$W = m \times g$**

force = spring constant x extension **$F = k \times e$**

force = mass x acceleration **$F = m \times a$**

momentum = mass x velocity **$p = m \times v$** (HT only)

pressure = force / area **$p = F/A$** (Phys only)

wave speed = frequency x wavelength

$$\mathbf{v = f \times \lambda}$$

Head of Science Hints and Tips 1/2

- When your son/daughter revises a topic such as electric circuits or ionic bonding, get them to write a **'6 mark answer'** of the core practicals summarising the key points of the method.
- Offer to go through their answer with them using the details from their practical book or the AQA workbook or encourage them to work in peer groups to do so.
- Remind them to bring work such as this to school to get their ***Teachers' feedback and advice***- in revision lessons

Head of Science Hints and Tips 2/2

- Remind them to use the command words booklet with them to make sure they know what they are being asked for in a question- any queries? *Refer to their Teacher.*
- Remind them to use the **chemistry data sheet** and make sure they understand what it's telling them- if not they should *bring this to their Teacher- in revision lessons*

Intake15 drive

– what's available for Science?

Powerpoints for every topic

Revision timetables and
resources including papers and
markschemes, equations and
keywords to learn.

Take away message

Students should all now be trying exam style questions which we are providing in booklets.

Even if they can't finish it they will get marks along the way.

They ALWAYS have something to do! **P2 Trial is in w/c 10th of**

Feb.

Questions?