

Science - October mock exam information sheet



What exam board are we using?

AQA - you are following either:

- Combined science (2 x GCSEs) is called 'trilogy'.
- Separate science (3 x GCSEs)

We are no longer doing Edexcel.

What content will be tested in the mock exams in October?

- Biology – topics 1 (*Cell biology*) & 3 (*Infection and response*)
- Physics – topics 1 (*Energy*) & 4 (*Atomic structure*)
- Chemistry – topics 1 (*Atomic structure and the periodic table*) & 2 (*Bonding, structure and properties of matter*)

How long will each exam last in the mock exams in October?

All exams will be 1 hour and 10 minutes, whether separate/combined or higher/foundation.

What resources can I use to revise from?

- AQA revision guide. (remember to swap your old Edexcel revision guide for an AQA one at the Science Faculty)
- Seneca learning. www.senecalearning.com
- BBC Bitesize (remember to choose Trilogy – if you are doing 'combined science')
<https://www.bbc.com/bitesize/levels/z98jmp3>

What additional information will I need for Biology?

- Be able to use the prefixes centi, milli, micro and nano

What Physics equations will I need to learn?

kinetic energy = $0.5 \times \text{mass} \times (\text{speed})^2$	$E_k = \frac{1}{2} m v^2$	Kinetic energy = Joules (J) Mass = Kilograms (kg) Speed = metres per second (m/s)
gravitational potential energy = mass \times gravitational field strength \times height	$E_p = m g h$	GPE = Joules (J) Mass = Kilograms (kg) g = Newtons per kilogram (N/kg) Height = metres (m)
power = $\frac{\text{energy transferred}}{\text{time}}$	$P = E/t$	Power = Watts (W) Energy = Joules (J) Time = seconds (s)
power = $\frac{\text{work done}}{\text{time}}$	$P = W/t$	Power = Watts (W) Work done = Joules (J) Time = seconds (s)
efficiency = $\frac{\text{useful output energy transfer}}{\text{total input energy transfer}}$		
efficiency = $\frac{\text{useful power output}}{\text{total power input}}$		