

Science – Year 9 January 16th exam information sheet



What exam board are we using?

AQA

What equipment will I need to complete the exam?

Black pen, pencil, ruler, calculator.

What content will be tested in the exam?

- Biology – topics 1 (*Cell Biology* including cell structure and microscopy only)
- Physics – topics 1 (*Energy*)
- Chemistry – topics 1 (*Atomic structure and the periodic table*)

How long will the exam last?

The exam will be 1 hour 30 minutes long and will be done in the hall during periods 3 & 4.

What will my tier of entry be?

All students will sit the same exam, so there are no individual higher and foundation papers, or any different papers for separate Science students.

What resources can I use to revise from (all available or linked from website)?

- AQA revision guide – These can be purchased from the cash office in school.
- Seneca learning. www.senecalearning.com
- BBC Bitesize (remember to choose Trilogy – if you are doing ‘combined science’)
<https://www.bbc.com/bitesize/levels/z98jmp3>
- Core questions

What Physics equations will I need to learn?

$$\text{kinetic energy} = 0.5 \times \text{mass} \times (\text{speed})^2$$

$$\text{gravitational potential energy} = \text{mass} \times \text{gravitational field strength} \times \text{height}$$

$$\text{power} = \frac{\text{energy transferred}}{\text{time}}$$

$$\text{power} = \frac{\text{work done}}{\text{time}}$$

$$\text{efficiency} = \frac{\text{useful output energy transfer}}{\text{total input energy transfer}}$$

$$\text{efficiency} = \frac{\text{useful power output}}{\text{total power input}}$$