

For some of our students, formal exams have been something they have not completed regularly or at all. We are aware that all students have had significant disruption over the last two years. In order to support you to support them effectively at home, we would like to give you the following information:

The Topics your child will be tested on are:

**Particle model of matter**

Density

Temperature changes in a system and specific heat capacity

Changes of state and specific latent heat

**Energy**

Energy stores and systems

Changes in energy and calculations

Energy changes in systems

Conservation and dissipation of energy

Work done and energy transfers

**Waves**

Waves in solids, liquids and gases

Electromagnetic spectrum including light required practical

**Atoms and isotopes**

Structure of the atom

Radioactive decay and nuclear radiation

**Forces**

Forces and motion

Forces and braking

Forces and their interactions

Recommended revision sites/resources:

Seneca	<a href="https://senecalearning.com/en-GB/">https://senecalearning.com/en-GB/</a>
Free science lessons	<a href="https://www.youtube.com/channel/UCqbOeHaAUXw9II7sBVG3_bw">https://www.youtube.com/channel/UCqbOeHaAUXw9II7sBVG3_bw</a>
Quizlet	<a href="https://quizlet.com/">https://quizlet.com/</a>
Isaac Physics	<a href="https://isaacphysics.org/">https://isaacphysics.org/</a>
BBC Bitesize	<a href="https://www.bbc.co.uk/bitesize">https://www.bbc.co.uk/bitesize</a>

We are following AQA GCSE Combined Science Trilogy

Hints and Tips:

In calculations:

1. Always show your working out.
2. There is usual a mark for substituting you values into an equation.
3. Don't leave answers as fractions, change them into decimals.
4. Always remember your units.

Remember there are 1000mm in 1m, 100cm in 1m and 1000m in 1km.