



End of
KS5

5. Optional Unit: Astrophysics, Medical, Turning Points, Engineering and Electrical

4. Fields: Gravitational, Electrostatics, Capacitance and Magnetic fields

3. Thermal Physics: Internal Energy and Ideal Gases.

Year
13

1. Further Mechanics: Circular and Simple Harmonic Motion

2. Nuclear Physics: Particles and radiation.

**Online learning
during KS5**

PPE Preparation for KS5: Secure facts and key definitions using learning grids/knowledge mats, regular reference to resources on Google Drive, Drop Box, completion of exam questions (AO2/AO3), review required practicals and practise timed extended answers.

1. [Isaac Physics](#)
2. [Seneca learning](#)
3. [A level Physics Online](#)
4. [Physics and Maths Tutor](#)

6. Electricity: Circuits and electrical applications

5. Mechanics: Forces, Energy and Momentum

3. Waves: Characteristics, properties and applications.

4. Materials: Bulk properties of solids

Study skills for KS5: Invest in a textbook and scientific calculator, consolidate your notes after each lesson, follow the published weekly revision schedule, record practical work neatly in lab book, timed questions, use past papers and mark schemes. Use Drop box every day!

2. Particle Physics: The fundamental properties of matter, electromagnetic radiation and quantum phenomena.

1. Measurements and Errors: A working knowledge of the SI units of measurement. Practical work is underpinned by an awareness of the nature of measurement errors and their treatment.

Start of
KS5

**Top 3 tips for parents
and carers during KS5**

1. Buy an AQA Physics Text Book

2. Support with time management and revision planning

3. Check SMHW and Dropbox for Resources.

Next steps in Science...

HE: Engineering, Astrophysics, Architecture

Apprenticeship: Engineering, Construction, Manufacturing.

Career: Acoustic Engineer, Meteorologist, Radiation Protection, clinical scientist, Astronomer

THE FUTURE

**KS5 Learning
Journey for
Physics**