



**End of  
KS4**

**YEAR 11**

**Online learning  
during KS4**

1. [Seneca learning](#)  
2. [Free science lessons](#)  
3. [GCSE Pod](#)  
4. [CGP app](#)  
5. [YouTube Required practical's](#)

**Yr11-I. Energy**

*Energy stores, Power, Efficiency & National and Global Energy Resources*

**2. Magnetism and Electromagnetism**

*Magnetic Fields, Electromagnetism  
Fleming's Left Hand Rule, Electric Motors*

**PPE Preparation for KS4:** identify command words in questions and make sure you know what they mean; make sure you can convert units; name equipment accurately; plot, describe and explain a variety of graphs; learn each equation, the units and rearrangements.

**Year  
10**

**Yr10-I. Forces**

*Resultant forces, motion & Newton's laws, gravity and work done*

**2. Electricity**

*Circuits, Mains Electricity  
Charge and Current & National Grid*

**Study skills for KS4:** Create flashcards of key definitions, use questions in each chapter in revision guide to develop recall, use writing frames on Google Drive to structure answers, complete past paper questions and use mark scheme, download spec to use as a checklist.

**3. Particle Model of Matter**

*Density, Changes of State & Kinetic Theory*

**2. Atomic Structure**

*Radioactive decay and radiation*

**Yr9-I. Waves in air, fluids and solids**

*Transverse, Longitudinal Waves, Electromagnetic Waves & properties*

**Start  
of KS4**

**Top 3 tips for parents  
and carers during KS4**

1  
Buy a revision guide & scientific calculator

2  
Use flashcards to test your child on recalling facts

3  
Make sure you know what tier your child is sitting and make sure all 6 exam dates are recorded

**Next steps in Science...**

**FE:** A-Level Physics or BTEC Applied Science

**HE:** Engineering, Astrophysics, Architecture

**Career:** pilot, Aerospace Engineer, Architect, Banking

**THE FUTURE**

**KS4 Learning  
Journey for  
Physics**