NEXT

Haberdashers' Abraham Darby
Year 11 Physics Learning Journey

This way to Further Education, Training or Employment

Exam Preparation
Build a portfolio of revision material, to help remember Powerful Knowledge and commit key information to long term memory.
You will be tested on all the content learned over the course of Y10 & Y11.

Exam Preparation

GCSE Exams

Summer Term 2

GCSE Exams

Summer Term 1

Revision
In addition to your Physics classes, there are lots of resources to support you. Websites include: BBC Bitesize, Physics Classroom, S-Cool, GCSE Physics Ninja, Gojimo and Cyberphysics. Don't forget there are Revision Guides and Flashcards too available from the LSB.

Revision
Spring Term 2

Magnetism & Electromagnetic Induction
Explain uses of permanent & temporary magnetic materials. Describe shapes of magnetic fields & the relationship between force, magnetic & electric fields. Know how motors & transformers work. *Explain advantages of high-voltage cables.*

Exam Preparation
Revise the Core and Powerful Knowledge and commit key information to long term memory. You will be tested on all content covered so far this year.

Magnetism & Electromagnetic Induction
Spring Term 1

Static Electricity
Explain transfer of electrons by charging. Explain common electrostatic phenomena. Describe some uses & dangers of electrostatic charges. Describe the shapes & directions of electric fields.

Electricity & Circuits
Explain how electrical circuits can be used to transfer energy. Understand how to build & represent circuits, how to make measurements & the role of components. Understand factors affecting current flow. Explain how electricity is transferred safely to domestic devices.

Electricity & Circuits, *Static Electricity*
Autumn Term 2

Forces & Matter
Explain the link between forces, energy & elastic/inelastic distortions. Use graphs & calculations to investigate springs. Understand how pressure arises. Explain factors affecting pressure in liquids & gases. *Link pressure to forces, density & gravitational field strength.*

Particle Model
Use Kinetic theory to explain changing state. Explain differences between Specific Heat Capacity and Latent Heat. Understand how pressure arises & its link to volume and temperature. Know what Absolute zero is. *Link work done on gases with temperature.*

Particle Model, Forces & Matter
Autumn Term 1

NOW

Y11
Students will enter Y11 having worked through a comprehensive KS3 &Y10 Science curriculum comprising elements of: Wave; Forces; Motion; Pressure; Radioactivity; Light & Electromagnetic Spectrum; Energy; *Astronomy*; Forces & Space; Electricity; Heating & Cooling; Light & Sound and Magnetism. Key Concepts, Working and thinking scientifically underpins everything that we do. *(Separate Science Physics in italics)*

THEN

Start here