

**A Level Physics**

**Handbook**

*“The important thing is not to stop questioning. Curiosity has its own reason for existing.”*

Albert Einstein

Transition Pack for A Level Physics

**A guide to help you get ready for A-level Physics, including everything from topic guides to online learning resources.** 

**At A Level, we study Edexcel.**

**The course includes three exam papers on the following topics:**

* **Mechanics**
* **Electric Circuits**
* **Electric and Magnetic Fields**
* **Nuclear and Particle Physics**
* **Materials**
* **Wave and Particle Nature of Light**
* **Thermodynamics**
* **Space**
* **Nuclear Radiation**
* **Gravitational Fields**
* **Oscillations**
* **Working as a Physicist**

**There will be a minimum of 40% of questions across all three exams which require maths, including topics such as:**

* **Rearranging and substituting equations**
* **Logarithms and exponentials (AS Maths)**
* **Straight line graphs**
* **Trigonometry**
* **Vectors**
* **Proofs**

**You will also complete numerous core experiments relating to topics you learn as part of the course and learn associated data analysis techniques.**

**Physics Teachers**

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**Ask for us at the science office on the 4th floor.**

**Year 12 Map**



**Year 13 Map**



**The full specification can be found in the Pearson Edexcel Website as well as exam papers and mark schemes.**

**Additional resources can also be found at the Physics and Maths Tutor website.**

















