

Year 11 into Year 12 - Physics

A-level Physics is a big step up from GCSE. As a result, it is vital to have an excellent understanding of the concepts covered at KS4. The two tasks below have been set to support this.

Task 1:

To ensure a solid foundation to starting A-level Physics, students should continue to review all GCSE Physics content throughout the summer break. Students are to handwrite the equations on the formula sheet attached using both words and symbols on a sheet of A4 paper. Part of the test will be to recall what the symbols for different equations represent.

Task 2:

In order to bridge the gap between GCSE and A-level, students are expected to buy the CGP Head Start to A-Level Physics ISBN 978 1 78294 281 8. This guide covers every essential GCSE topic and new A-Level concepts, including clear notes and practice questions. It can be purchased from different bookshops or online at Amazon:

<https://www.amazon.co.uk/Head-Start-level-Physics-Level/dp/1782942815>

All students should:

1. make a set of 41 flash cards for pages 1 to 41 (one per page) in order to distil the key points
2. hand in these flash cards on the first Physics lesson in Year 12. These should be put in an envelope with their name on it.

During the first week of teaching, students will be examined on the content to test their understanding of the topics in the CGP Head Start to A-Level Physics guide.

Textbooks

In Year 12, students are expected to have their own copy of the AS Physics textbook. It can be purchased from different bookshops or online at Amazon:

OCR Physics A AS Textbook, ISBN 978 0198352174

https://www.amazon.co.uk/Level-Physics-Year-Student-Book/dp/0198352174/ref=pd_sbs_14_3/260-8697307-3652349?encoding=UTF8&pd_rd_i=0198352174&pd_rd_r=ce59ae05-65af-4422-9c99-6d0fad4964af&pd_rd_w=HHp28&pd_rd_wg=9PPNg&pf_rd_p=2773aa8e-42c5-4dbe-bda8-5cdf226aa078&pf_rd_r=VF3A93FBEYAJWB87GC&psc=1&refRID=VF3A93FBEYAJWB87GC

Files and A4 lined paper and stationary

Students must come equipped with

- A4 folder lever arch folder
- A4 lined paper.
- Folder dividers
- A 30cm ruler, scientific calculator, sharp pencil (preferably pentel mechanical) and biro.