



Physics



Physics Transition Tasks:

The first task will help you understand the wider impact of Physics and its significance to everyday life. It will encourage you to consider Physics in its wider context and how different aspects of Physics relate to each other.

The second task will help you practise and develop some of the skills which are assumed as basic skills at A-Level and principally some of the maths skills you will routinely use.



TASK 1

Physics at the heart of everything.

Find and read at least 3 Physics related articles. You should use a variety of sources and write a few paragraphs (no more than 1 side of A4 for each article) on each of the main Physics findings and the impact on current physics knowledge or application of physics. Comment on the significance of the Physics. Using your own criteria select one of the articles and comment on why you would recommend it to one of your peers.

Use for example:

BBC i-player, YouTube, New Scientist, or science internet sites eg www.NASA.gov, www.newscientist.com, www.home.cern, www.space.com, www.reddit.com/r/science

Remember to correctly reference the article, its author, its source, date etc and avoid plagiarism.

Submit your review as a written report.

TASK 2

Developing Essential Skills

This task is to help consolidate some of the skills you have already been developing in your education so far. At A-Level these skills are considered essential basic skills and it is assumed that you can routinely and confidently apply and use these skills.

Complete the workbook and submit it to us.

TO DEEPEN YOUR UNDERSTANDING



Be mindful that the A-Level Physics course, like most A-Levels, assumes that you know your GCSE content. It is referred to as “assumed prior knowledge”. You should therefore spend some time before starting your course in September in making sure that you are confident on the Physics aspects from your GCSE. You will be aware that Physics does involve a certain skill level in Maths, so it would be advantageous to you to also develop and practice your math skills since they will also be an integral part of the Physics course. There are also aspects of Chemistry that overlap with Physics that you should review as well. In particular this includes atomic structure, electron configuration, mole calculations, atomic mass and related aspects.



Consider acquiring a copy of the CGP book “Head start to AS Physics” and work through all of the questions in each section which will help you structure your preparation before starting the course.



YouTube

Give yourself as much of a head start as you can.

Together we succeed

Achievement

Aspiration

High Expectations

Community