

Physics Induction Homework - preparing to study!

Before you start the A level physics course in September we would like you to:

- Consider carefully **why** you want to study A level physics. It is a demanding course but we think it is worthwhile and very rewarding!
- Use the OCR website to look at the **details** of the what is included in the **A level course**
- **Review** your **GCSE physics work** - this is your 'foundation' for the A level course!
- Complete an **introductory task** on 'units and prefixes' to hand in in September

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Introductory task on units and prefixes

www.npl.co.uk/reference/measurement-units/

Use the NPL (national physical laboratory) website to research the following:

What is the **S.I. system** of measurement?

Name the seven base **quantities** in the S.I. system

Name the seven base **units** in the S.I. system

Give a brief **definition** of each base unit

Learn the S.I. standard prefixes and conventions

Produce an A3 or A4 size **poster** illustrating
one or more aspect of your research

Bring this with you to hand in in September

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Some useful websites:

www.ocr.org.uk **OCR exam board website**

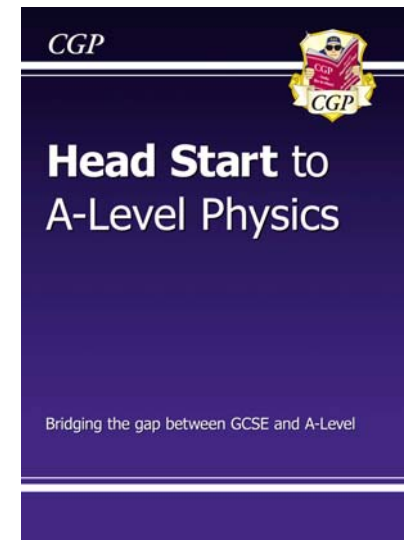
Follow the link for GCE Physics A (H156, H556 from 2015) to find a copy of the specification and lots of other useful information about the OCR A level Physics course.

www.physics.org **Institute of Physics website.**

This is an excellent site to find out all sorts of information that will help your Physics studies at GCSE and A level. It has exam tips, information about careers and some challenging Physics games and quizzes.

www.cgpbooks.co.uk **Head Start to A-level Physics.**

This is a relatively inexpensive book (£4.95) that we would recommend to help you recap and build on GCSE work before starting the A level course.



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Have a wonderful summer
We look forward to seeing
you in September

1 H Hydrogen 1.008	15 P Phosphorus 30.974	15 P Phosphorus 30.974	39 Y Yttrium 88.906
67 Ho Holmium 164.930	3 Li Lithium 6.941	66 Dy Dysprosium 162.50	16 S Sulfur 32.066

If you wish to email us with any questions we are:

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