

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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Some useful websites:

www.ocr.org.uk and 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 This is the 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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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

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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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