

# Physics

Learning Outcomes:

- To become familiar with the OCR website: Physics – H556 (from2015)
- To download and save 3 documents – essential if you are to be successful on your course
- To understand the difference between the terms *quantity, base unit and SI unit*.

**Part 1: The Subject page of the website**

Use this link to access the main page for OCR A level Physics H556

<http://www.ocr.org.uk/qualifications/as-a-level-gce-physics-a-h156-h556-from-2015/>

1. Under the heading “Assessment Preparation” click on the “Specifications” tab
2. Download the specification for Physics A – H556
3. Set up a folder on your computer in which you will later file anything physics. Save the specification in this folder
4. Under the heading “Teaching and Learning Resources” click on the “Handbooks” tab
5. Download both of the skills handbooks (maths and practical) and save into the same folder.

**Part 2: Specification Content**

1. Print out page 13 of the specification. (entitled Module 2: Foundations of Physics)
2. Read through the specification statements.
3. Put the title “ 2.1.2 S.I. units” Make a list of the S.I **base units** and their symbols. What does S.I stand for? Find more about what this means.
4. Learning outcome (c) says units listed in this specification. Make a table like the one below

Quantity name	Quantity symbol	Unit name	SI unit symbol	Specification ref

- Read through the specification statements of modules 3 (Force and motion) and 4 (electrons, waves and photons).
- Add as many quantities and units to the table as you can in the order in which they first appear in the specification. *For example*

Quantity name	Quantity symbol	Unit name	SI unit symbol	Specification ref
Force	F	Newton	N	2.3.1 (d)
displacement	s	metre	m	3.1.1 (a)

Bring this homework to your first physics lesson next year. You may either handwrite the work or do in a word document – good luck and see you in September!