

Course information for Parents

Year/Keystage: 12 and 13 KS5 Subject: Physics

Faculty Area	Science	Director of Faculty contact information	D. Kennedy dkennedy@thehazeleyacademy.com
Examination Board	OCR A	Specification Code	H556

Subject Content: During Physics Students will cover the following topic areas: Newtonian Physics, Astrophysics, particles, medical physics, mechanics and waves.

Additional Equipment Needed Students should have the following equipment for every lesson: Scientific Calculator, A4 folder with dividers and Paper, Mechanical Pencil, Clear plastic 30cm ruler, protractor and compass.

Assessment Details:

To be successful students will need to be able to:

- Develop excellent Mathematical skills
- Be confident in writing longer answers due to the introduction of a Synoptic paper.
- Learn and be able to reproduce a set number of practical techniques throughout the course for the examinations.
- Recall and apply knowledge gained in the lesson to a variety of different situations.

What can I do to support my child at home?

- Discuss what your child is learning in lessons and see the wider links.
- Ensure that students are learning SI units and how to derive them
- Check your child's folder to ensure that notes are up to date, ordered and legible.
- Make sure that any outstanding homework has been completed.

Recommended resources for the course:

Websites:

- <http://www.s-cool.co.uk/a-level/physics>
- <http://www.cyberphysics.co.uk/>
- <http://www.school-for-champions.com/physics.htm>

Books:

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| • Schrodinger's kittens. John Gribbin | ISBN-10: 1857994027 |
| • The Physics of Star Trek Laurence Krauss | ISBN-10: 0006550428 |
| • A Short History of Nearly Everything Bill Bryson | ISBN-10: 0552562963 |
| • In Search of the Big Bang. John Gribbin | ISBN-10: 1511910089 |
| • The New Science of Strong Materials. J.E.Gordon | ISBN-10: 0140135979 |
| • Cosmos. Carl Sagan | ISBN-10: 0349107033 |
| • How to clone the perfect blonde. Nelson & Collingham | ISBN-10: 0091897475 |
| • Unweaving the rainbow. Richard Dawkins | ISBN-10: 0141026189 |
| • A Briefer History of Time. Stephen Hawking | ISBN-10: 0593056973 |
| • The Physics of Superheroes. James Kakalios | ISBN-10: 0715639110 |

Teaching Staff Contact Details

Name	Role	Email	Tel
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Home Study & Independent Learning Parental Support Information

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Additional Information:			