

Course teachers

- Year 12: Mr M Smith & Mr C Smith
- Year 13: Mr B Lawrence & Mr M Smith

Exam board: Edexcel (www.edexcel.com)

Assessment Scheme

The course is assessed through three examinations at the end of Year 13:

- **Paper 1:** 1 hour 45 minutes. Mechanics, Electricity, Fields, Nuclear & Particle Physics
- **Paper 2:** 1 hour 45 minutes. Materials, Waves & Oscillations, Thermodynamics, Astrophysics, Radiation, Gravity
- **Paper 3:** 2 hours 30 minutes. Synoptic assessment and practical skills

Course expectations

- Complete a **minimum** of 5 hours independent study per week (see middle pages).
- Attend the timetabled after school study sessions - *compulsory if you are below your target grade*.
- Be resilient. Don't give up. Make the effort that is required to be successful.
- Ask for help. Find your teachers outside lessons
- Follow our advice...we know what it takes for you to succeed!

Shoeburyness High School

Sixth Form

Start of Course Information

Physics

Advanced-Level

A-Level Physics is challenging. It is a highly academic course, with very high expectations. You must be prepared to work exceptionally hard from the start of the course if you want to be successful.

But as a result, Physics is also very rewarding. When you successfully solve a problem using skills you have had to develop through hard work and persistence, you will know that your effort was worthwhile.

When you achieve a good grade in A-Level Physics, you will open up a world of opportunities.

Shoeburyness High School Sixth Form September 2020

<u>Review the week's class notes</u> • Read through your notes • Rewrite notes from memory and then check • Learn definitions • Summarise notes into revision sheets/posters/mind maps • Check calculations • Redo practice questions from lessons Repeat this in short bursts every day!	A-Level Physicists: You must complete a minimum of 5 hours of independent study per week!	<u>Read the text book/revision guide/webpages</u> • Review book chapters on topics covered in recent weeks • Complete practice questions from the book chapters covering recent topics • Summarise book notes into revision sheets/posters/mind maps • Read ahead of the classwork course • Borrow additional books from S12
<u>Learn everything!</u> • Learn all definitions • Learn all spellings • Learn all labels on diagrams • Learn all rules and laws • Learn all units • Learn all equations • Learn all key principles • Practice – test yourself!!! Repeat this in short bursts every day!	<u>Complete past paper questions</u> • Download A-Level papers • List the topics which are tested most regularly • Make notes on styles of questions asked on each topic (state, describe, explain, calculate, evaluate etc.) • Complete questions on recent class topics • Practise essay questions on key topics	<u>Read around the subject</u> • Use alternative A-Level text books to read around the subject • Review recent classwork topics • Read ahead on future topics • Use appropriate websites: ○ s-cool.co.uk ○ physicsnet.co.uk ○ cyberphysics.co.uk ○ www.physicsandmathstutor.com ○ studywise.co.uk