

Course teachers

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

Exam board: Edexcel

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 on Thursdays - *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

<p><u>Review the week's class notes</u></p> <ul style="list-style-type: none">• 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 <p>Repeat this in short bursts every day!</p>	<p>A-Level Physicists: You must complete a minimum of 5 hours of independent study per week!</p>	<p><u>Read the text book/revision guide/webpages</u></p> <ul style="list-style-type: none">• 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 from G2 or Mr Smith
<p><u>Learn everything!</u></p> <ul style="list-style-type: none">• 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!!! <p>Repeat this in short bursts every day!</p>	<p><u>Complete past paper questions</u></p> <ul style="list-style-type: none">• 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 questions on key topics	<p><u>Read around the subject</u></p> <ul style="list-style-type: none">• Use alternative A-Level text books to read around the subject• Review recent classwork topics• Read ahead on future topics• Use appropriate websites:<ul style="list-style-type: none">○ www.physicsandmathstutor.com○ www.mmerevise.co.uk○ www.savemyexams.com○