A Level Physics

The Latymer School



Why study Physics at A Level?

- You are good at it and you enjoyed it at GCSE
- You gain a deeper understanding of how the world around you functions and why certain things happen
- Allows you to use and develop your mathematical skills and logical problem-solving skills
- It is necessary for certain career paths
- To provide variation with your other A-level subjects, contrasting with humanities / creative subjects

Why study Physics at Latymer?

- A strategically planned curriculum, based on evidence, ensuring support for all pupils throughout the course.
- 5 specialist Physics teachers, each with different specialisms, contributing a wealth of knowledge.
- High attainment shown at A Level, with many pupils going on to study at leading institutions.

Recent Destinations

UNIVERSITY OF CAMBRIDGE

UCL

University of BRISTOL

KING'S College LONDON

University of Southampton

Imperial College London

UNIVERSITY OF WARWICK

UNIVERSITY OF LIVERPOOL

Recent Results

	2023	2024	2025	2026
Grade	**% of students**	**% of students**	**% of students**	**% of students**
A* - A	**55**	**68**	**59**	**71**
A* - B	**75**	**81**	**82**	**89**
A* - C	**91**	**90**	**93**	**96**

Comparing Results

	2026	
Grade	**% of students**	**% National**
A*	**25**	**11**
A* - A	**71**	**32**
A* - B	**89**	**53**
A* - C	**96**	**72**

ALPS Score = **2**
(top 10% nationally)

Value Added = **+0.14**

82% of pupils achieved or exceeded their target grade.

Entry Requirements

- GCSE Physics minimum Grade 7
- GCSE Maths minimum Grade 7
- GCSE Biology or Chemistry minimum Grade 7

- (If studying Combined Science, minimum 7-7)

- Note that A Level Maths is not essential to study A Level Physics, as the skills and knowledge required are the same as GCSE Maths

Starting Year 12

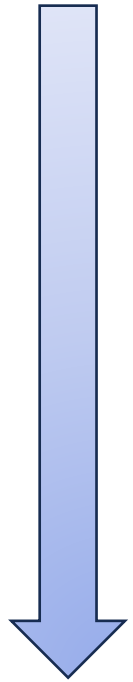
- Pupils are taught in mixed ability classes of roughly 15 pupils
- There is 1 teacher assigned to the class, so they get to know them and their strengths/weaknesses quickly
- Pupils are introduced to the course and expectations, particularly around independent learning
- Parents are informed about the course structure, and resources are shared to help with independent study time
- The curriculum starts with a practical skills topic, to familiarise pupils with the rigour of A Level from the very start

Course Structure

- **AQA A Level Physics Specification**

Year 12	Year 13
Practical Skills	Gravitational Fields
Materials and Mechanics	Electric Fields and Capacitance
Electricity	Magnetic Fields
Waves and Optics	Thermal Physics
Particles and Quantum Phenomena	Nuclear Physics
(Summer) Periodic Motion	Option Topic

Familiarity



Complexity

Assessments

- **Pupils are formally assessed in topic tests at the end of each topic**
- **Pupils are continually assessed in class through various techniques, to check understanding and inform future teaching**
- **Assessments are meaningful and reflective of exam style and content**

- **End of Year 12: UCAS or AS Exams**

Predicted grades are based on these exams

- **End of Year 13: A Level Papers**

Practical Assessments

- Throughout the A Level course, pupils complete Assessed Practicals
- These provide evidence towards the Practical Endorsement, a separate qualification
- Practical questions also contribute to exam content at AS/A Level
- We demonstrate most of content via demonstrations and practicals, with help from our experienced technicians

Physics Enrichment

- We have a wide array of Physics/ Science related societies, run by Sixth Formers
- Pupils are encouraged to participate in British Physics Olympiad Challenges in both Year 12 and Year 13
- Trip to UCL to listen to talks from famous Physicists on current research
- A popular Careers Fair for Sixth Form, where pupils can meet professionals from Engineering / Physics related industries
- A Senior Lecture Series, for pupils to attend lectures from Alumni/ professionals in Physics disciplines

Advice from current pupils

“Can seem challenging but once you understand concepts it is quite satisfying.”

“During each lesson make sure the content has been understood, if not, definitely ask for guidance.”

“It’s difficult yes but it is also very enjoyable to learn.”

“If you have a passion for Engineering or STEM in general, Physics is a solid option for your A Levels.”

“A-level is mostly expanding on things covered in GCSE (though in much more detail), so if you enjoyed GCSE and can handle the challenge then you will enjoy A-level.”