

Physics

A Level



ST. MARY MAGDALENE

C OF E SIXTH FORM

PENINSULA CAMPUS

*Excellence through innovation,
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Exam Board: **AQA**

What is Physics?

Physics is a fascinating, challenging, practical, creative and thought-provoking subject. We look at all aspects of our universe from distant galaxies to sub-atomic particles. If you have ever wondered 'How do they do that?' then Physics can provide the answers – which often lead to deeper questions.

What will I study?

Unit 1: Measurements and their errors

Unit 2: Particles and radiation

Unit 3: Waves

Unit 4: Mechanics and materials

Unit 5: Electricity

Unit 6: Further mechanics and thermal physics

Unit 7: Fields and their consequences

Unit 8: Nuclear physics

and one of these options...

Astrophysics, Medical physics, Engineering physics, Turning points in physics, Electronics

What entry requirements will I need?

In addition to the general entry requirements you will need a grade 6 in Physics or grade 6/6 in Combined Science.

How will I be taught?

- 5hrs contact time plus 5hrs private study per week.
- No assessed coursework.
- Core practical activities (PAGs) that make up a practical endorsement.
- Regular assessment.

How will I be assessed?

Paper	Weighting	Marks and duration
Paper 1 (Units 1-5)	34%	85 marks 2hrs
Paper 2 (Units 6-8)	34%	85 marks 2hrs
Unified Chemistry (Practical Physics and optional unit)	32%	80 marks 2hrs

What career opportunities does this open up?

Employers today actively seek out people who can prove their ability to think logically, understand complex ideas and apply them to the real world. Physics can give you the edge in science, the media, education, business or a host of other fields. Physics is a highly valued A Level by universities and employers. It is essential for most engineering degrees.