



St Margaret Ward  
Catholic Academy  
Sixth Form

# PHYSICS

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# A LEVEL

Proud partner of  
Trinity Sixth Form



# PHYSICS

## **What is the level of course I will take?**

A Level Physics with AQA  
(Astrophysics)

## **What level of GCSEs do I need to take this course?**

Minimum of 5 x GCSE grade 5 including a minimum Grade 6 in GCSE Physics or Grade 6-6 in GCSE Combined Science. GCSE Maths Grade 6 is desirable.

## **How will I be assessed?**

Paper 1: Written exam (34%)  
Measurements and errors, Particles and radiation, Waves, Mechanics and materials, Electricity, Periodic motion.

Paper 2 : Written exam (34%)  
Thermal physics, Further mechanics, Fields, Nuclear physics.

Paper 3 : Written exam: (32%)  
All practical skills and data analysis, Astrophysics



# (ASTROPHYSICS)

## Course Content

### Year 12

- Measurements and errors
- Particles and radiation
- Waves
- Mechanics and materials
- Electricity

### Year 13

- Further mechanics including Periodic motion
- Thermal physics
- Fields
- Nuclear physics
- Astrophysics

Additionally there is a strong practical and investigative skills component that runs throughout the two year course. There are a number of required practicals set by AQA that contribute to the final certification though there are many other practical opportunities throughout the course over and above these.

## How will the course help me after Sixth Form?

Physics is a highly respected A level, on the Russell Group's list of 'facilitating' subjects. A good grade in A level Physics demonstrates to an employer that you have analytical and mathematical skills that you can apply to real life situations. There are many possible career paths that it will create for you, for example: Engineering, Medicine, Forensic Science, Astronomy, Cosmology, Electronics, Power generation, Finance and many more.



For further information,  
scan the below QR code

