

■ PROSPECTS  
RHAGOLYGN

Advanced Level Physics entails a sophisticated level of academic discipline and is highly regarded as an entrance qualification for courses in Universities and Colleges.

The subject has specific relevance to careers in areas such as:

Aeronautical Engineering  
Sustainable Energy  
Architecture  
Astrophysics  
Automotive Design  
Communications  
Computing  
Cosmology  
Education  
Engineering  
Gaming  
Geophysics  
Industry  
Materials Science  
Medical Physics  
Meteorology  
Nanotechnology  
Scientific Civil Service

The above list is by no means exhaustive and further information can be gained from the school's Careers Library and subject staff.

■ FOR MORE INFORMATION  
AM FWY O WYBODAETH

Students interested in following the Advanced Level Physics Course should contact subject staff or the Science Learning Manager.

**Subject Staff**  
**Staff y Pwnc**

Mr Jeremy Roberts B.Sc.(Hons),  
P.G.C.E., M.Inst.P.  
Mr Neil Eve B.Sc.(Hons), C.Phys.,  
P.G.C.E., M.Inst.P.  
Mr Andy Duffy B.Sc (Hons) M.A.,  
P.G.C.E., M.Sc.

**Science Learning**  
**Area Manager**  
**Rheolwr Addysgu**

Mrs Helena Wade B.Sc. (Hons), P.G.C.E.

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AS / A2 Level  
Lefel AS / A2

# PHYSICS FFISEG

## *Science Learning Area*

WELSH JOINT  
EDUCATION COMMITTEE  
Course Director: Mr Jeremy Roberts

## ■ ENTRY REQUIREMENTS GOFYNION MYNEDIAD

Candidates are expected to have a minimum of grade B ability in Additional Science or Physics GCSE .

The A Level Physics course is not recommended for those without ability and interest in Mathematics; a minimum of grade B is necessary.

## ■ COMPLEMENTARY AREAS OF STUDY ADRANNAU ASTUDIO CYFOES

The study of Advanced Level Mathematics with Physics is known to improve the understanding achieved in either subject.

Traditionally, Physics, Mathematics and Chemistry or Biology have been a popular combination of subjects. More recently European languages, Music and Economics are being studied in combination with Physics and Mathematics.

A wide variety of degree courses and apprenticeships are available to meet this trend towards broader interests.

## ■ HIGHER EDUCATION PROSPECTS GOBEITHION ADDYSG UWCH

The possession of a good Physics A Level grade is widely accepted as proof of academic ability. It is highly regarded by University and College admissions as part qualifications for all pure and applied Science Degree Courses. It is mandatory for students wishing to follow courses in engineering/technology.

## ■ SYLLABUS / Y MAES LLAFUR

Students may study for an AS qualification for a period of one year or an A2 qualification which takes two years.

## ■ AS QUALIFICATION / CYMHWYSTER AS

This consists of two examination papers Units 1 and 2 both of which are synoptic in nature. Specified practical work done throughout the course is assessed during these examinations.

## ■ A2 LEVEL QUALIFICATION CYMHWYSTER A2

Students sit three additional papers Units 3, 4 & 5 in the second year and carry out an experimental task as part of the Unit 5 module.