STAFFORD
SIXTH FORM

Course title: Physics A Level (OCR Physics A)

Academic year:	2027
Course Venue:	Blessed William Howard
Course Type:	A Level
Duration:	2 years

Course Description: This course is for students who wish to develop essential knowledge and understanding in Physics, the applications of Physics, and the skills needed for its use in new and changing situations. Students will develop an understanding of the link between theory and experiment and appreciate how Physics has developed and is used in present day society. Students will have the opportunity to consolidate and apply theory through the use of practical investigations helping to develop inquisitive minds. The course covers a broad range of topics, developing student's GCSE knowledge. It is designed to inspire and motivate students and give the foundations for further study in Physics and related qualifications.

Course Content:

All exams will be sat at the end of the second year of study.

Unit 1 – Year 1:

1. Development of Practical Skills in Physics

2. Foundations of Physics

3. Forces and Motion

4. Electrons, Waves and Photons

Unit 2 – Year 2:

1. Development of Practical Skills in Physics

5. Newtonian World and Astrophysics

6. Particles and Medical Physics

Entry requirements: The standard entry criteria to study in the sixth form are a 9-5 in at least five different subjects, including English and mathematics, which would usually be at grade 4 or above.

To study A-level physics, you will be required to achieve at least a grade 6 in combined science or have achieved 6 or above in separate science.

As A-level physics has a high mathematical content GCSE at grade 6 in mathematics is also required.

Assessment:

A-level assessment is in three papers:

Paper 1 – Modelling Physics (37%): Modules 1, 2, 3 and 5 are assessed.

Paper 2 – Exploring Physics (37%): Modules 1, 2, 4 and 6 are assessed.

Paper 3 – Unified Physics (26%): All modules assessed.

Financial Information: Students will need to buy their textbook. We will also arrange any revision conferences and fieldtrips as necessary. This will have a financial implication.

Further information: There is only one book for the entire 2 year course; ISBN: 978-0198352181.

A-level physics is a 2 year linear course and students will sit all the exams at the end of their course. For more information please speak to Mr Jones.