PHYSICS

A LEVEL AQA **BLOCK C**

ACADEMIC YEAR:	2021
COURSE VENUES:	King Edward VI High School
COURSE TYPE:	A level
COURSE CODE:	12CKePH1
DURATION:	2 years

COURSE DESCRIPTION

Physics, like all sciences, is a practical subject. Throughout the course pupils will carry out practical activities including:

- investigating interference and diffraction of laser light
- measuring acceleration due to gravity
- investigating systems that oscillate
- investigation of the links between temperature, volume and pressure
- safe use of ionising radiation
- investigating magnetic fields.

These practicals give students the skills and confidence needed to investigate the way things behave and work. It will also ensure that if students choose to study a Physics-based subject at university, they'll have the practical skills needed to carry out successful experiments.

COURSE CONTENT

AS-level, comprised of:

- Measurements and their errors
- Particles and radiation
- Waves
- Mechanics

- Energy
- Electricity

A-level, as AS, plus:
- Further mechanics and thermal physics
- Fields
- Nuclear physics
- Plus one option from the following: Astrophysics, Medical physics, Engineering physics, Turning points in physics, Electronics

ENTRY REQUIREMENTS

The standard entry criteria to study in the sixth form are a 9-4 in at least seven 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 6/6 grade in combined science or have achieved 6 or above in Separate Science Physics. A grade 6 in mathematics is also required.

ASSESSMENT

There is no coursework on this course. However, performance during practicals will be assessed. There are three exams at the end of the two years for A-level, all of which are two hours long. At least 15% of the marks for A-level Physics are based on what you learned in your practicals. The AS has two exams at the end of the year. Both are 1 hour 30 minutes long.

FINANCIAL INFO

Students will need to buy the specified course textbook. The cost of field trips, where these are necessary and appropriate, will also be passed on to students.

FUTURE OPPORTUNITIES

Studying A-level Physics offers an infinite number of amazing career opportunities including engineering, astrophysics, chemical physics, nanotechnology, renewable energy and more, the opportunities are endless.

FURTHER INFO

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