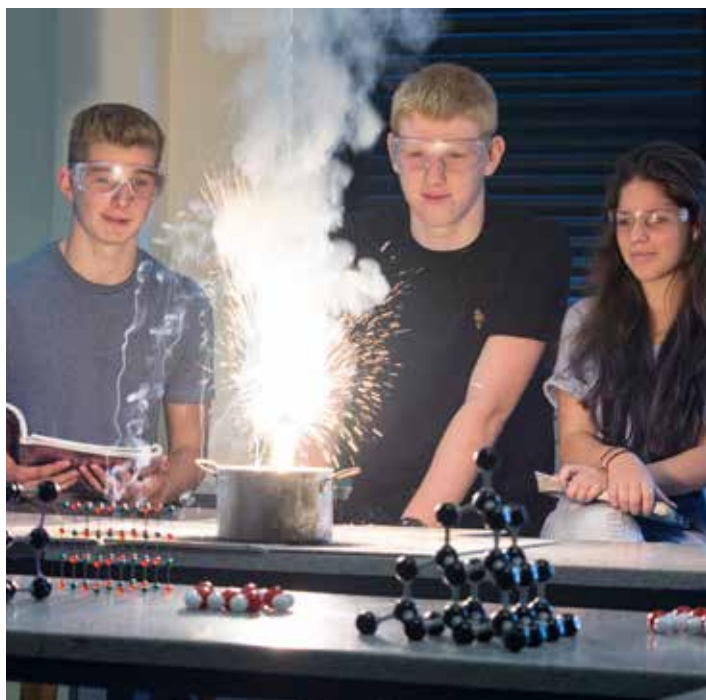


COURSE OUTLINE

PHYSICS - A LEVEL



St Katherine's School



COURSE OUTLINE

Physics A Level considers how and why things work. It covers topics ranging from Quantum Mechanics to the Origin of the Universe. Look at the world around you; physics is the only course which explains the universe from small to large, from beginning to the end. If you wish to be able to explain where you came from and where you are going to, then this is the course for you. Employers have listed it time and again as one of the most respected A Levels available.

DETAILS ABOUT THE COURSE

Topics covered:

- Topic 1: Development of practical skills
- Topic 2: Foundations of physics
- Topic 3: Forces and motion
- Topic 4: Electrons, waves and photons
- Topic 5: Newtonian world and astrophysics
- Topic 6: Particles and medical physics

Extra-curricular/trips:

There are a range of enrichment activities including the British Physics Olympiad and Annual CERN trips.

Future prospects:

Medicine, engineering, teaching, higher education, research, MOD and computer science.

You might also take...

Maths, further maths, chemistry, biology, product design, PE.

KEY INFORMATION

Prior attainment:

- Five grades at 9-4
- Grade 6 in GCSE physics/combined science and grade 6 in maths required
- Grade 7 in GCSE physics/combined science and grade 7 in maths desirable

Assessment:

Year 1

- Breadth in physics examination
- Depth in physics examination

Year 2:

- Modelling physics examination
- Exploring physics examination
- Unified physics examination

Problem solving, teamwork, independence and communication are all essential.