



## 100% EXAMINATION

There will be six 75 minute examinations at the end of Year 11. Practical science will no longer be accessed through coursework but through specific questions within the examinations. Students' understanding of the Science content will be examined by recalling and describing (40%), applying knowledge and practical understanding (40%) and analysing, concluding and evaluating (20%).



## FURTHER EDUCATION

The demand and skills required to be successful in Science GCSEs mean they provide an excellent basis for further study at college or sixth form. Triple Science offer excellent succession into A-Level Chemistry, Physics and Biology, but also into subjects such as Geology, Archaeology and BTEC Applied Science.



## CAREER OPPORTUNITIES

Science qualifications develop the type of analytical and numerical skills that are prized across many career pathways. A well-qualified STEM (Science, Technology, Engineering and Mathematics) workforce is crucial to business and industry in the UK. Graduates in STEM subjects can expect to receive amongst the highest salaries of all new recruits. However, among the top 500 UK employers, the majority reported having difficulties recruiting enough qualified STEM staff.



## [AQA WEBSITE](#)

Click on the link above to download full specification/s.

## WHAT IS THIS COURSE ABOUT?

The course consists of 24 topics covering content from biology, Chemistry and Physics.

**Biology:** Cell Biology; Organisation; Infection and response; Bioenergetics; Homeostasis and response; Inheritance, variation and evolution; Ecology

**Chemistry:** Atomic structure and the periodic table; Bonding, Structure and the properties of matter; Quantitative chemistry; Chemical changes; Energy changes; The rate and extent of chemical change; Organic chemistry; Chemical analysis; Chemistry of the atmosphere; Using resource

**Physics:** Forces; Energy; Waves; Electricity; Magnetism and electromagnetism; Particle model of matter; Atomic structure

The topics are designed to provide a strong scientific foundation so all students are ready to enter adulthood as scientifically literate individuals. In addition the course provides the depth and breadth required to prepare students for taking Science at post – 16.

## WHAT SKILLS WILL I DEVELOP?

- Using Knowledge and understanding to pose Scientific questions and define Scientific problems
- Planning and carrying out investigative activities, including appropriate risk management, in a range of contexts
- Collecting, selecting, processing, analysing and interpreting primary and secondary data to provide evidence
- Evaluating methodology, evidence and data
- Understanding the relationship between Science and society
- Developing communication skills in scientific contexts

*“Whilst four in five graduate jobs do not require a specific degree discipline, it is clear that studying STEM subjects gives students a competitive advantage in the labour market. When asked whether they prefer any particular degree subject when recruiting graduates, half of employers responded that they prefer those with STEM degrees.”*