



# Applied Science

Year: 12/13

*"The pure scientist discovers the universe. The applied scientist uses existing scientific discoveries to create a usable product."*

Jacques Cousteau

## Course Content

Applied Science is designed for those interested in learning about the science sector alongside other fields of study, with a view to progress onto a wide range of higher education courses. The course is delivered in a way to ensure that students are well prepared for higher education, supplementing classroom-based learning with independent research-based assignments. Students will complete core modules developing essential scientific skills such as investigation and practical techniques, before going on to apply this learning in more specific contexts. The overall grade received for this qualification is awarded based on a combination of all units undertaken.

## Skills developed

- Analysis
- Problem Solving
- Academic Writing
- Academic References
- Independent Research
- Communication

## For more information

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## Topics covered

- Cells and Microscopy
- Human Body Systems including Circulatory, Nervous, Muscular and Respiratory
- Electrical Circuits
- Energy
- Waves and Communication
- Physical and Chemical Properties of Elements
- Structure and Bonding of Elements and Compounds

