



Physics

Years: 12/13

“All Science is either Physics or Stamp Collecting”

Ernest Rutherford

Course Content

At A-level we are able to delve deeper into the nature of reality with topics such as Particle Physics, Nuclear Physics and Quantum Physics. We also continue to develop the precise mathematical formalisms required to fully understand the world around us, building on the skills and understanding developed in GCSE Physics and Mathematics.

Skills developed

- Algebraic and numerical techniques
- Experimental techniques
- Planning experiments
- Risk assessment
- Data collection and analysis
- Scientific report writing

Topics covered

- Particle and Quantum Physics
- Waves
- Electricity
- Mechanics and Materials
- Thermal Physics
- Fields
- Nuclear Physics
- Astrophysics

For more information

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