



Science Curriculum Key Stage 4

Intent:

To equip our students with problem solving and critical thinking skills so that they become engaged and inquisitive students of Science so that they are able to 'talk like a scientist and think like a scientist', developing their passion for Science and a deep understanding of the world around them.

Our Science curriculum at Christ the King contextualises our students' learning, both to our local area, as well to issues of national and international importance. We strive to develop our students' understanding of the careers available in STEM fields, and we deliver multitude of tailored workshops, trips and outreach opportunities to enable our students to have rich experiences and be aware of onward opportunities at University, apprenticeships and other opportunities after College.

We embed the gospel values in our teaching and in our relationships with students and each other.

Curriculum Outline Key Stage 4

Year 10

- Electricity
- Energy Changes
- Bioenergetics
- Chemical Changes
- Quantitative Chemistry
- Atomic Structure
- Waves
- Ecology
- Homeostasis, response and health.

Year 11

- Chemistry of the atmosphere
- Forces
- Magnetism and Electromagnetism
- Inheritance and variation
- Rate and extent of Chemical change