



Science Curriculum Key Stage 3

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 3

Year 7

- Cells
- Particles
- Energy
- Reproduction
- Forces
- Separating Mixtures
- Electricity
- Digestion and Nutrition
- Sound
- Ecology
- Acids and bases

Year 8

- The Human Machine
- Microbes and Respiration
- Chemical Reactions and Acids and Bases
- Light
- Space
- Heating
- Feeding the World
- Practical Chemistry
- Science of Wight

Year 9

- Working as a scientist

- Experimental Skills
- Particles mastery and Particle Model of matter.
- Cells mastery, Cell structure, division and transport
- Atomic Structure and the Periodic table
- Infection and disease
- Chemical analysis
- Organisation of the cardiovascular system
- Energy
- Using resources