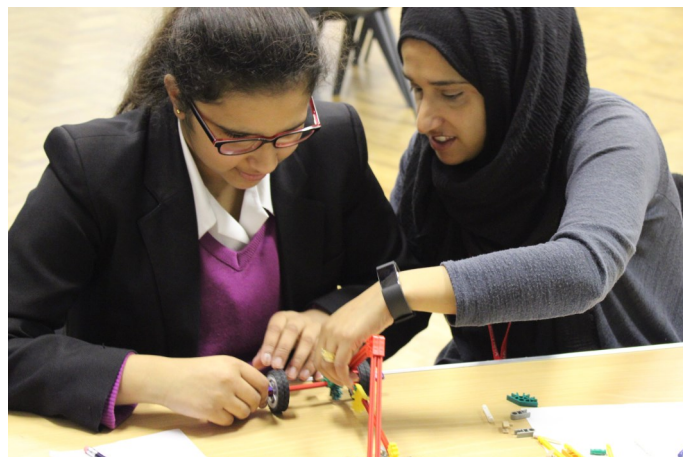




Our Science curriculum intent at Swanshurst, is to encourage a healthy curiosity for Science in all of our students. We develop this through broad, exciting, practical hands-on learning experiences that encourage questioning and investigation of the changing world around us.

We aim to inspire enquiring minds, and develop lifelong learners who are critical scientific thinkers. We also aim to challenge misconceptions, and push boundaries to promote opportunities for all young women in STEM wherever we can.



## AQA Combined Science: Trilogy (8464)

This qualification is linear. Linear means that students will sit all their exams at the end of the course. There are six papers: two biology, two chemistry and two physics.

Each of the papers will assess knowledge and understanding from distinct topic areas.

### Year 9

#### Biology

- 1. Cell biology
- 2. Organisation
- 3. Infection and response
- Chemistry
- 8. Atomic structure and the periodic table
- 9. Bonding, structure, and the properties of matter
- 10. Quantitative chemistry

#### Physics

- 21. Atomic structure
- 20. Particle model of matter
- 18. Energy
- Year 10
- Biology
- 4. Bioenergetics
- 5. Homeostasis and response

#### Chemistry

- 11. Chemical changes
- 12. Energy changes
- 13. The rate and extent of chemical change
- 14. Organic chemistry

#### Physics

- 19. Electricity
- 22. Forces

### Year 11

#### Biology

- 6. Inheritance, variation and evolution
- 7. Ecology
- Chemistry
- 15. Chemical analysis
- 16. Chemistry of the atmosphere
- 17. Using resources

#### Physics

- 23. Waves
- 24. Magnetism and electromagnetism