



Wigston Academy

# Triple Sciences

## GCSE 2024 – 2026

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### Examination Board

AQA Biology, 8461, Chemistry 8462, Physics 8463

*Core Subject*

### What will I be studying?

Triple Sciences are worth 3 GCSE grades, 1 GCSE in each of Biology, Chemistry and Physics

Topics Covered:

#### Biology

1. Cell biology
2. Organisation
3. Infection and response
4. Bioenergetics
5. Homeostasis and response
6. Inheritance, variation and evolution
7. Ecology

#### Chemistry

1. Atomic structure and the periodic table
2. Bonding, structure, and the properties of matter
3. Quantitative chemistry
4. Chemical changes
5. Energy changes
6. The rate and extent of chemical change
7. Organic chemistry
8. Chemical analysis
9. Chemistry of the atmosphere
10. Using resources

## Physics

1. Energy
2. Electricity
3. Particle model of matter
4. Atomic structure
5. Forces
6. Waves
7. Magnetism and electromagnetism
8. Space physics

### How will I be studying?

Students will have a mixture of theory lessons and practicals- these will include the 'required practicals' stated by the exam board. Students will be given opportunities to see exam style questions throughout the course.

### How will I be assessed?

There are six papers: two biology, two chemistry and two physics. Each of the papers will assess knowledge and understanding from distinct topic areas. Each paper is 1 hour 45 minutes (100 marks) and consists of: multiple choice, structured, closed short answer, and open response questions.

### Biology Paper 1

What's assessed

Biology topics 1–4: Cell Biology; Organisation; Infection and response; and Bioenergetics.

### Biology Paper 2

What's assessed

Biology topics 5–7: Homeostasis and response; Inheritance, variation and evolution; and Ecology.

## Chemistry Paper 1

### What's assessed

Topics 1–5: Atomic structure and the periodic table; Bonding, structure, and the properties of matter; Quantitative chemistry, Chemical changes; and Energy changes.

## Chemistry Paper 2

### What's assessed

Topics 6–10: The rate and extent of chemical change; Organic chemistry; Chemical analysis, Chemistry of the atmosphere; and Using resources.

## Physics Paper 1

### What's assessed

Topics 1-4: Energy; Electricity; Particle model of matter; and Atomic structure.

## Physics Paper 2

### What's assessed

Topics 5-8: Forces; Waves; Magnetism and electromagnetism; and Space physics.

## Where Next?

**Most colleges will require a grade 4 to study beyond GCSE level in most subjects.**

**Therefore, this qualification can unlock doors to most professions.**

**In Science specifically, this qualification may lead to any of the following:**

- **A-Level Biology (Available at Wigston College)**
- **A-Level Chemistry (Available at Wigston College)**
- **A-Level Physics (Available at Wigston College)**