

Triple Science (AQA)

Biology

Paper 1 (Units 1-4):

1. Cell biology
2. Organisation
3. Infection and response
4. Bioenergetics

Required practical content which will be examined:

Using a microscope to observe cells (Unit 1)

The effect of salt solutions on plant cells (Unit 1)

Testing for biological molecules in foods (Unit 2)

The effect of pH on enzyme activity (Unit 2)

The effect of antibiotics on bacterial growth (Unit 3)

The effect of light on the rate of photosynthesis (Unit 4)

Chemistry

Chemistry Paper 1 (Topics 1-5)

1. Atomic structure and the periodic table
2. Bonding, structure, and the properties of matter
3. Quantitative chemistry
4. Chemical changes
5. Energy changes

Required practical content which will be examined:

Making soluble salts (Unit 4)

Electrolysis (Unit 4)

Temperature changes (Unit 5)

[Separate ONLY – Neutralisation (Unit 4)]

Physics

Physics Paper 1 (Topics 1-4) examined:

1. Energy
2. Electricity
3. Particle model of matter
4. Atomic structure Components

Required practical content which will be:

Determining the Specific Heat Capacity

Investigating Thermal Insulation

Factors affecting Electrical Resistance

Investigating I-V Characteristics of
Determining the Density of Objects

Combined Science (AQA)

Biology paper 1 (topics 1-4)

1. Cell biology
2. Organisation
3. Infection and response
4. Bioenergetics

Chemistry paper 1 (topics 8-12)

8. Atomic structure and the periodic table
9. Bonding, structure, and the properties of matter
10. Quantitative chemistry
11. Chemical changes
12. Energy changes

Physics paper 1

18. Energy
19. Electricity
20. Particle model of matter
21. Atomic structure