

# GCSE AQA Science

## Required Practical Investigations Paper 2

### Biology Paper 2

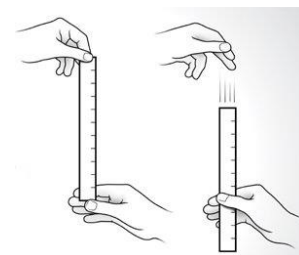
#### Unit 5 – Homeostasis and response

Required Practical – Investigating a factor on the effect of reaction times

YouTube links: [Reaction times](#)

BBC Bitesize links: [Reflexes](#)

AQA Practical worksheet: [Method](#)



**Triple Science only: Required Practical – Investigate the effect of light or gravity on newly germinated seeds**

YouTube links: (no demonstration of practical)

BBC Bitesize links: [BBC bitesize video](#)

AQA Practical worksheet: [Method](#)

#### Unit 6 – Inheritance, variation and evolution

No required practical investigations for this unit

#### Unit 7 – Ecology

Required Practical – Measure population size using sampling techniques

YouTube links: [Sampling along a transect](#)

BBC Bitesize links: [Sampling overview](#) [Transects and Quadrats](#)

AQA Practical worksheet: [Method](#)



**Triple Science only: Required Practical -Rate of decay in milk based on pH change**

YouTube links: (no demonstration of practical)

BBC Bitesize links: [Factors affecting decay](#) [Decay](#)

AQA Practical worksheet: [Method](#)

### Chemistry Paper 2

#### Unit 6 – Rate and extent of chemical change

Required Practical – Rates of reaction

YouTube links: [Rates of reaction practical](#)

BBC Bitesize links: [Collision Theory](#)

[Changing the rate of reaction](#)

AQA Practical worksheet: [Method](#)

#### Unit 7 – Organic chemistry

No required practical investigations for this unit

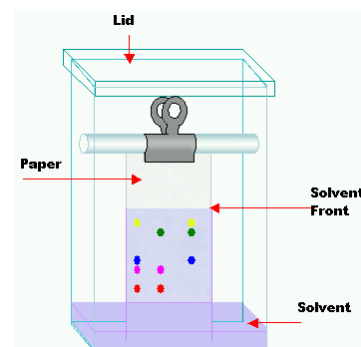
#### Unit 8 – Chemical Analysis

Required Practical – Chromatography

YouTube links: [Chromatography practical](#)

BBC Bitesize links: [Chromatography](#)

AQA Practical worksheet: [Method](#)



**Triple Science only: Required Practical – Identifying ions**

YouTube links: [Identifying ions](#)

BBC Bitesize links: [Chemical tests for ions](#)

Collins Practical worksheet: [Method](#)

## Unit 9 – Chemistry of the atmosphere

No required practical investigations for this unit

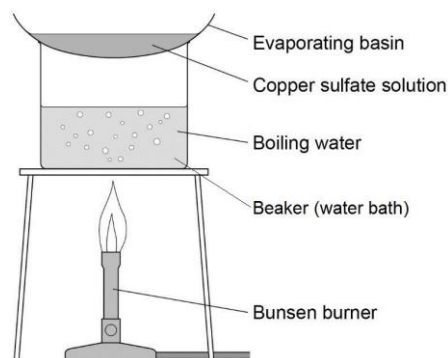
## Unit 10 – Using Resources

### Required Practical – Water purification

YouTube links: [Water purification](#)

BBC Bitesize links: [Water Purification](#)

AQA Practical worksheet: [Method](#)



## Physics Paper 2

### Unit 5 – Forces

#### Required practical – Acceleration

YouTube links: [Acceleration](#)

BBC Bitesize links: [Force, mass, acceleration](#)      [Calculations](#)

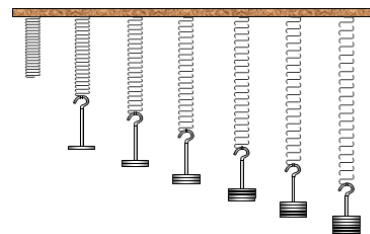
AQA Practical worksheet: [Method](#)

#### Required practical – Force and extension (Hooke's law)

YouTube links: [Force and extension practical](#)

BBC Bitesize links: [Hooke's law](#)

AQA Practical worksheet: [Method](#)



### Unit 6 - Waves

#### Required practical – Generating and observing waves

YouTube links: [Generating water waves](#)      [Generating waves on a string](#)

BBC Bitesize links: [Waves](#)      [Features of waves](#)

AQA Practical worksheet: [Method](#)

#### Triple Science only: Required Practical – Reflection and refraction

YouTube links: [Light practical](#)

BBC Bitesize links: [Reflection and refraction](#)

AQA Practical worksheet: [Method](#)

#### Required practical – Radiation and absorption

YouTube links: [Radiation and Absorption](#)

BBC Bitesize links: [Radiation](#)      [Kinetic theory](#)

AQA Practical worksheet: [Method](#)

