



GCSE BIOLOGY

(8461)

GCSE CHEMISTRY

(8462)

GCSE PHYSICS

(8463)



**Separate
Science GCSE**



Introduction to GCSE BIOLOGY
Exam Board - AQA Course Code- 8461

Course Content

- Cell biology
- Organisation
- Infection and response
- Bioenergetics
- Homeostasis and response
- Inheritance, variation and evolution
- Ecology

Required Practical

There are 10 set practical activities that pupils are required to undertake. These practical activities will help to consolidate scientific concepts, develop investigation skills and master data manipulation. Knowledge of the set practical activities may be assessed in the main exam.

Structure of the course:

- 100% exam based.
- Two Exam papers taken at the end of year 11 each worth 50% of the GCSE.

Useful Websites and Books to Help with Revision

Full copy of the specification outlining all the topics in detail can be found on:
<http://www.aqa.org.uk/subjects/science/gcse/biology-8461>

Specimen papers and mark schemes are available from:
<http://www.aqa.org.uk/subjects/science/gcse/biology-8461/assessment-resources>

Key course content and revision task can be found on:
<http://www.bbc.co.uk/education/subjects/z9ddmp3>

A revision pack which includes a revision guide and exam question workbook is available to buy through ParentPay.

Homework Plan

- Homestudy will comprise -research skills, making revision resources and past paper exam questions

Exam/Important Dates

Year 11 Mock fortnight: 16th- 28th November 2022

GCSE Exam Dates: Not published by AQA at this point. Due to be released early autumn.

Introduction to GCSE CHEMISTRY
Exam Board - AQA Course Code-8462

Course Content

- Atomic structure and the periodic table.
- Bonding, structure and the properties of matter.
- Quantitative Chemistry.
- Chemical Changes.
- Energy Changes
- The rate and extent of chemical change
- Organic chemistry
- Chemical analysis
- Chemistry of the atmosphere
- Using resources

Required Practical

There are 8 set practical activities that pupils are required to undertake. These practical activities will help to consolidate scientific concepts, develop investigation skills and master data manipulation. Knowledge of the set practical activities may be assessed in the main exam.

Structure of the course:

- 100% exam based.
- Two Exam papers taken at the end of year 11 each worth 50% of the GCSE.

Useful Websites and Books to Help with Revision

Full copy of the specification outlining all the topics in detail can be found on:
<http://www.aqa.org.uk/subjects/science/gcse/chemistry-8462>

Specimen papers and mark schemes are available from:
<http://www.aqa.org.uk/subjects/science/gcse/chemistry-8462/assessment-resources>

Key course content and revision task can be found on:
<http://www.bbc.co.uk/education/subjects/zs6hvcw>

A revision pack which includes a revision guide and exam question workbook is available to buy through ParentPay.

Homework Plan

- Homestudy will comprise -research skills, making revision resources and past paper exam questions

Exam/Important Dates

Year 11 Mock fortnight: 16th- 28th November 2022

GCSE Exam Dates: Not published by AQA at this point. Due to be released early autumn.

Introduction to GCSE PHYSICS
Exam Board - AQA Course Code-8463

Course Content

- Energy
- Electricity
- Particle model of matter
- Atomic Structure
- Forces
- Waves
- Magnetism and Electromagnetism
- Space physics

Required Practical

There are 8 set practical activities that pupils are required to undertake. These practical activities will help to consolidate scientific concepts, develop investigation skills and master data manipulation. Pupils' knowledge of the set practical activities may be assessed in the main exam.

Structure of the course:

- 100% exam based.
- Two Exam papers taken at the end of year 11 each worth 50% of the GCSE.

Useful Websites and Books to Help with Revision

Full copy of the specification outlining all the topics in detail can be found on:
<http://filestore.aqa.org.uk/resources/physics/specifications/AQA-8463-SP-2016-V1-0.PDF>

Specimen papers and mark schemes are available from:
<http://www.aqa.org.uk/subjects/science/gcse/physics-8463/assessment-resources>

Key course content and revision task can be found on:
<http://www.bbc.co.uk/education/subjects/zpm6fg8>

A revision pack which includes a revision guide and exam question workbook is available to buy through ParentPay.

Homework Plan

- Homestudy will comprise -research skills, making revision resources and past paper exam questions

Exam/Important Dates

Year 11 Mock fortnight: 16th- 28th November 2022

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