

# MOCK EXAM INFORMATION FOR PUPILS COMBINED SCIENCE



# BIOLOGY

**Which paper will I sit for the mock ?** Paper 2

**How long is the exam?** 1 hour 15 mins Always bring a calculator to any of your science exams, as well as a pen, pencil, ruler and protractor

## What do I need to revise?

Refer to the science revision booklet for a more detailed breakdown see the end of this document.

Paper 2

1. Homeostasis and response
2. Inheritance
3. Variation and evolution
4. Ecology

## Where can I find this information?

- Exercise books
- Revision Lessons & After school sessions
- Science Revision Booklet
- Revision Guides and Revision Textbooks and Revision cards( see Parent Pay)
- Online Resources (outlined below)

## What are top revision tips for this paper?]

Ensure you use the topic content lists, outlined in the science revision booklet, to break down the key components of each Biology topic and revise each area individually.

Remember to revise the required practicals you have completed as they are key to achieving all the marks available in your papers.

## Other useful links:

[Cognito](#)

[blue man free science lessons](#)

[bitesize](#)

[seneca](#)

# CHEMISTRY

**Which paper will I sit for the mock ?** Paper 2

**How long is the exam?** 1 hour 15 mins. Always bring a calculator to any of your science exams, as well as a pen, pencil, ruler and protractor

## What do I need to revise?

Refer to the science revision booklet for a more detailed breakdown see the end of this document.

Paper 2

6. Rates of Reaction
7. Organic chemistry
8. Chemical analysis
9. Chemistry of the atmosphere
10. Using Resources

## Where can I find this information?

- Exercise books
- Revision Lessons & After school sessions
- Science Revision Booklet
- Revision Guides and Revision Textbooks and Revision cards( see Parent Pay)
- Online Resources (outlined below)

## What are top revision tips for this paper?]

Ensure you use the topic content lists, outlined in the science revision booklet, to break down the key components of each Chemistry topic and revise each area individually.

Remember to revise the required practicals you have completed as they are key to achieving all the marks available in your papers.

## Other useful links:

[bitesize](#)

Paper 2-[blue man free science lessons](#)

[seneca](#)

# PHYSICS

**Which paper will I sit for the mock ?** Paper 2

**How long is the exam?** 1 hour 15 mins. Always bring a calculator to any of your science exams, as well as a pen, pencil, ruler and protractor

## What do I need to revise?

Refer to the science revision booklet for a more detailed breakdown see the end of this document.

Paper 2

1. Forces
2. Waves
3. Magnetism
4. Space

## Where can I find this information?

- Exercise books
- Revision Lessons & After school sessions
- Science Revision Booklet
- Revision Guides and Revision Textbooks and Revision cards( see Parent Pay)
- Online Resources (outlined below)

## What are top revision tips for this paper?]

Ensure you use the topic content lists, outlined in the science revision booklet, to break down the key components of each Physics topic and revise each area individually.

Remember to revise the required practicals you have completed as they are key to achieving all the marks available in your papers.

## Other useful links:

[Cognito](#)

[blue man free science lessons](#)

[Seneca](#)

[bitesize](#)



# COMBINED SCIENCE

BIOLOGY

CHEMISTRY

PHYSICS

REVISION

Each section in the booklet needs at least 30 minutes' revision.

Make a plan.

Try and stick to the plan.

You will sit three papers, 1 Biology, 1 Chemistry and 1 Physics.

Each paper is 1 hour 15 minutes' long

## BIOLOGY PAPER 2

TOPIC	Date of Revision	Done
<b>Homeostasis and response -</b>		
Nerves		
Pancreas/diabetic		
Female hormones		
Contraception/IVF		
<b>Inheritance, variation and evolution -</b>		
Genetics		
DNA		
BB Bb bb		
Inherited disorders		
<b>Ecology -</b>		
Evolution		
Fossils		
Extinction		
Population		
Adaptation		

## CHEMISTRY PAPER 2

TOPIC	Date of Revision	Done
<b>The rate and extent of chemical change -</b>		
Rate experiments		
Rate changing factors		
Rate graphs		
Reversible reactions		
<b>Organic chemistry -</b>		
Hydrocarbons – Alkanes		
Fractional Distillation of Crude Oil		
Uses of Crude Oil		
Cracking Crude Oil – Alkenes		
<b>Chemical analysis -</b>		
Paper Chromatography		
Testing for Gases		
Pure Substances and Mixtures		
<b>Chemistry of the atmosphere -</b>		
Evolution of the Atmosphere		
Greenhouse Gases		
Climate Change		
Carbon Footprints		
<b>Using resources -</b>		
Earth's resources		
Reuse and Recycle		
Potable Water		
Waste Water Treatment		

## PHYSICS PAPER 2

TOPIC	Date of Revision	Done
<b>Forces -</b>		
Forces		
Speed and Acceleration		
Velocity-time graphs		
Forces and motion and acceleration		
Newton's 3 <sup>rd</sup> Law and Momentum		
Forces in energy and springs		
<b>Waves -</b>		
Transverse and longitudinal waves		
Reflection and refraction		
Sound and ultrasound waves		
All types of Electromagnetic waves on the Electromagnetic Spectrum		
<b>Magnetism and electromagnetism -</b>		
Magnetism, magnetic fields and compasses		
Electromagnets		
Electric motors/Flemings Left Hand Rule		