

Science –Double Award Higher and Foundation

Topic List

BIOLOGY unit 1

- 1.1 cells and movement across membranes
- 1.2 Respiration and the respiratory system
- 1.3 Digestion and the digestive system
- 1.4 Circulatory system in humans
- 1.5 Plants and Photosynthesis
- 1.6 Ecosystems, nutrient cycles and Human Impact on the environment

CHEMISTRY unit 2

- 2.1 The nature of substances and chemical reactions
- 2.2 Atomic structure and the Periodic Table
- 2.3 Water
- 2.4 The ever-changing Earth
- 2.5 Rate of chemical change

PHYSICS unit 3

- 3.1 Electric circuits
- 3.2 Generating electricity
- 3.3 Making use of energy
- 3.4 Domestic electricity
- 3.5 Features of waves

Dates of the exam

Unit 1 Biology – Wednesday 15th June 2022 AM
Unit 2 Chemistry – Friday 17th June 2022 AM
Unit 3 Physics – Monday 20th June 2022 AM

Exam board

WJEC

Length of each paper

1 hour 15 minutes 60 marks on each worth 15% of final exam double award grade (45% completed)

Equipment needed in the exam

A black ball point pen, pencil, ruler, calculator

Where can I find resources?

All resources, past papers, mind maps are on OneNote as well as moodle.pontcomp.co.uk

BBC Bitesize:

<https://www.bbc.co.uk/bitesize/subjects/zqmtsbk>

Subject Specific Tips

There are exam questions including mark schemes on OneNote as well as a range of other resources
Create revision cards with key words and definitions
Pin the mind maps in your room. Look at it each morning

Triple Science-Physics

Topic List

PHYSICS unit 1

ELECTRICITY, ENERGY & WAVES

- 1.1 Electric circuits
- 1.2 Generating electricity
- 1.3 Making use of energy
- 1.4 Domestic electricity
- 1.5 Features of waves
- 1.6 The total internal reflection of waves
- 1.7 Seismic waves
- 1.8 Kinetic theory
- 1.9 Electromagnetism

Dates of the exam

Unit 1 Physics – Monday 20th June AM 2022

Exam board

WJEC

Length of paper

1 hour 45 minutes 80 marks on the paper worth 45% of final exam grade

Equipment needed in the exam

A black ball point pen, pencil, ruler, calculator

Where can I find resources?

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Subject Specific Tips

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Triple Science-Biology

Topic List

BIOLOGY unit 1

CELLS ORGAN SYSTEMS AND ECOSYSTEMS

- 1.1 cells and movement across membranes
- 1.2 Respiration and the respiratory system
- 1.3 Digestion and the digestive system
- 1.4 Circulatory system in humans
- 1.5 Plants and Photosynthesis
- 1.6 Ecosystems, nutrient cycles and Human Impact on the environment

Dates of the exam

Unit 1 Biology – Monday 15th June 2022 AM

Exam board

WJEC

Length of paper

1 hour 45 minutes 80 marks on the paper worth 45% of final exam grade

Equipment needed in the exam

A black ball point pen, pencil, ruler, calculator

Where can I find resources?

All resources, past papers, mind maps are on OneNote and moodle.pontcomp.co.uk

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Triple Science-Chemistry

Topic List

CHEMISTRY UNIT 1

CHEMICAL SUBSTANCES, REACTIONS AND ESSENTIAL RESOURCES

- 1.1 The nature of substances and chemical reactions
- 1.2 Atomic structure and the Periodic Table
- 1.3 Water
- 1.4 The ever-changing Earth
- 1.5 Rate of chemical change
- 1.6 Limestone

Dates of the exam	Unit 1 Chemistry Friday 17 th June AM
Exam board	WJEC
Length of paper	1 hour 45 minutes 80 marks on the paper worth 45% of final exam grade
Equipment needed in the exam	A black ball point pen, pencil, ruler and calculator
Where can I find resources?	All resources, past papers, mind maps are on OneNote and moodle.pontcomp.co.uk BBC Bitesize: https://www.bbc.co.uk/bitesize/subjects/zqmtsbk
Subject Specific Tips	There are past paper exam questions along with mark schemes on OneNote and Moodle as well as a range of other resources Create revision cards with key words and definitions Pin the mind maps in your room. Look at it each morning