# Science

Contact: lsamuels@glenmoorandwinton.org.uk

Students will sit one exam and will have 60 minutes to answer a range of questions that will cover the topics below. The questions will require students to state facts, explain scientific concepts and analyse graphs or tables. There will a variety of short answer questions and long answer questions that will require an extended answer. Some simple mathematical calculations may also be included.

**Topics to be covered in the exam:**

**Ecology**

- Food chains
- Bioaccumulation
- Variation
- Natural selection
- Biodiversity
- Extinction

**The Periodic table**

- Structure of an atom and electronic configuration
- Periodic table, groups and periods
- Metals and non-metals
- Group 1 metals
- Group 7 halogens
- Elements, compounds and mixtures

**Electricity**

- Static electricity
- Series and parallel circuits
- Circuit symbols
- Magnets
- Electromagnets

**Resources to help students revise and prepare:**

- Class folders/books
- Year 8 Knowledge Organiser
- Revision cards (given out in class and on the website)
- BBC Bitesize

https://www.bbc.co.uk/bitesize/topics/zxhhvcw
https://www.bbc.co.uk/bitesize/subjects/znxtyrd
https://www.bbc.co.uk/bitesize/subjects/zh2xsbk

Continuity oak:
https://continuityoak.org.uk/lessons