



Glenmoor & Winton Academies
High Achievement – High Standards
Part of United Learning

Year 9 Core Examinations

23rd - 27th June 2025

Information & Support for
Students & Parents/Carers



Mathematics

Contact: kleachman@glenmoorandwinton.org.uk

Students will sit two papers. Paper 1 will be 1 hour non-calculator and paper 2 will be 1 hour calculator. These papers will assess the knowledge students have obtained from the key stage 3 maths curriculum throughout years 7,8 and 9.

Topics to be covered in the exam:

- Decimal manipulation
- Estimation and limits of accuracy
- Related Calculations
- Fraction Calculations
- Multiples, factors and primes
- Rules of indices
- Expanding and factorising expressions
- Forming and solving equations
- Algebraic manipulation
- Expressions and substitution
- Direct and inverse proportion
- Interior and Exterior Angles
- HCF & LCM of large numbers
- Index laws
- Standard form
- Direct and inverse proportion
- Probability
- Solving Equations
- Inequalities
- Sequences
- Pythagoras
- Vectors
- Transformations

Revision resources to help students revise and prepare:

Sparx Maths – Independent learning zone. Use the codes on the attached sheet
Year seven, eight and nine knowledge organisers



English

Contact: flaroseglenmoorandwinton.org.uk

Students will sit one exam. Students will have 90 minutes in length to complete two sections. The first section is based on their study of *Identity Poetry* where they will answer a question based on ONE poem – they will be given a copy of the poem in the exam. They won't be given a choice of question. The second section is based on transactional writing which will require them to write either a speech, letter or article in response to a statement they are given.

Topics to be covered in the exam:

Question 1: Reading

- Knowledge of the poems in their poetry anthology.
- Knowledge, understanding and analysis of key quotations.
- Identifying and tracking ideas and themes across a poem.
- Identifying poets' methods
- Commenting on the effect of poets' methods
- Using subject terminology specific to genre and poets' intent

Question 2: Writing

- Using language and structural techniques for effect
- Using a range of sentence types
- Spelling, punctuation, and grammar rules
- Range of vocabulary
- Imitating different styles, genres and formats of writing
- Knowing the features of different types of form e.g. letter, article, speech

Resources to help students revise and prepare:

Identity Poetry Anthology that they have been annotating in lessons.

Class exercise books and subject specific knowledge organisers.

BBC Bitesize – Non-fiction and transactional writing [Sample task and responses - Non-fiction and transactional writing - Edexcel - GCSE English Language Revision - Edexcel - BBC Bitesize](#)

Mr Bruff video for technical accuracy [A06: Semi Colons \(the king of punctuation\) - YouTube](#).

BBC Bitesize Grammar [Grammar - KS3 English - BBC Bitesize](#)



Science

Contact: Ichurchill@glenmoorandwinton.org.uk

Students will sit one exam lasting 1 hour and 30 minutes. They will answer a range of questions that will cover the topics below. The questions will be typical GCSE-style questions that will require students to state facts, explain scientific concepts and demonstrate a range of working scientifically skills. There will be a variety of short answer questions and long answer questions that will require an extended answer. Mathematical calculations using scientific equations will also be included. Please note that not all of the content in the topics listed below will be assessed. This will be the same for when students prepare for their actual GCSE examinations.

Topics to be covered in the exam:

<u>Biology:</u>	<u>Chemistry:</u>	<u>Physics:</u>
Cell biology <ul style="list-style-type: none"> Cell structure Cell division Transport in cells Osmosis required practical Microscopes Infection and response <ul style="list-style-type: none"> Communicable diseases Drug development Bioenergetics <ul style="list-style-type: none"> Photosynthesis Photosynthesis required practical Aerobic respiration Anaerobic respiration in muscles and in plants/yeast 	Atomic structure and the periodic table <ul style="list-style-type: none"> A simple model of the atom, symbols, relative atomic mass, electronic charge and isotopes. The periodic table Bonding, structure and the properties of matter <ul style="list-style-type: none"> Chemical bonds; ionic, covalent and metallic How bonding and structure are related to the properties of substances Structure and bonding of carbon The rate and extent of chemical change <ul style="list-style-type: none"> Calculating rate of reaction 	Electricity <ul style="list-style-type: none"> Current, potential difference and resistance Series and parallel circuits Domestic uses and safety Energy transfers Particle model of matter <ul style="list-style-type: none"> Changes of state and the particle model Internal energy and energy transfer Particle model and pressure Forces <ul style="list-style-type: none"> Scalars/vectors and contact/non-contact forces



<ul style="list-style-type: none"> • Metabolism • Response to exercise 	<ul style="list-style-type: none"> • Factors that affect rate • Collision theory and activation energy • Reversible reactions 	<ul style="list-style-type: none"> • Gravity and work done • Resultant forces and Newton's law of motion • Speed, acceleration and interpreting graphs • Stopping distance <p>Waves</p> <ul style="list-style-type: none"> • Transverse and longitudinal waves • Wave properties • Electromagnetic waves <p>Magnetism and electromagnetism</p> <ul style="list-style-type: none"> • Poles of a magnet and magnetic fields • Electromagnetism and the motor effect
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Resources to help students revise and prepare:

Flashcards – provide by school, available from class teacher.

Knowledge organisers [KS4 KO Web Version.pdf](#)

Sparx science – Independent learning on the above topics. App.sparxscience.com

Cognito – www.cognitoedu.org or the Cognito YouTube channel [Cognito - YouTube](#)

Malmesbury Education Required Practical videos on YouTube. [Malmesbury Education](#)

Revision guides – purchased from school or other source.

Continuity Oak videos - [Curriculum - Curriculum \(continuityoak.org.uk\)](http://Curriculum - Curriculum (continuityoak.org.uk))



Ethics

Contact: callman@glenmoorandwinton.org.uk

Students will sit one 60 minute examination. The exam will cover two topics- Equality and Human rights and Issues of Life and Death, with a maximum mark of 46 available. The structure for **each section** will be a

Multiple choice- match the key word with the definition (5 possible marks)
1x 'define the word' question (2 marks)
1x 'explain' question (6 marks)
1x 'discuss' question (10 marks)

There will be time and guidance for students to plan their answer to the 6 and 10 markers. The 10-marker question will require students to display the additional skill of **evaluation** (making a judgement on the view they have explained).

Topics to be covered in the exam:

Equality and Human Rights

- Equality
- Personal conviction
- Gender roles
- Human Rights
- Prejudice and discrimination (LGBTQ+/ Disability/ Racism)
- Religious expression and extremism

Issues of Life and Death

- Sanctity and quality of life
- Religion and morality
- Medical ethics: Abortion and Euthanasia
- Environment and sustainability
- Creation: scientific and religious views
- Nature and role of humans
- Funerals
- Afterlife, soul and judgement

Resources to help students revise and prepare

Knowledge Organisers

SMHW quizzes

Practice questions on SMHW

Watch and engage with the TEAMS revision

BBC bitesize



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Wellbeing tips for revision

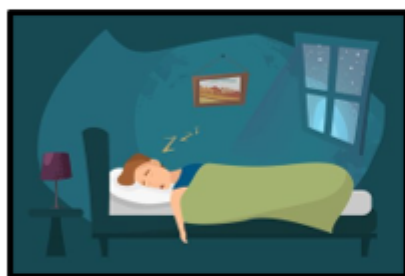
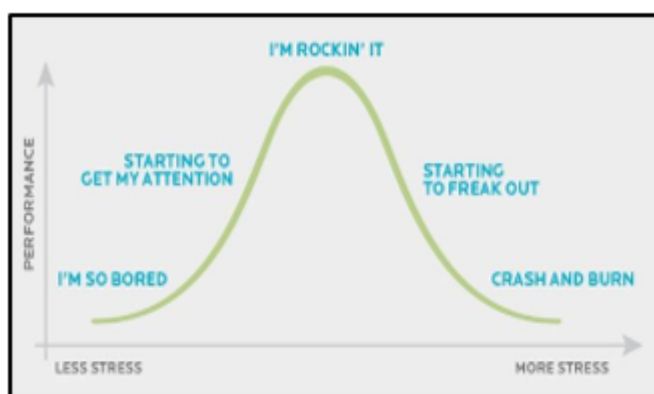
Looking after your wellbeing can have a positive impact on how well you do in your exams.

Below are five simple things to bear in mind during revision:

1. Not all stress is bad:

The **right amount of stress** can **motivate** you to get revision done. It can be important to **recognise when stress has tipped over** from becoming a motivating force to an overwhelming emotion.

Signs of overwhelming stress vary, but common signs are feeling irritable, feeling overwhelmed, difficulty concentrating, raised heart rate and breathing. If you feel your stress is overwhelming, take a **break** and **speak** to someone about how you are feeling.



2. Sleep is your friend!

If you sleep well (**8-10 hours** per night) you are scientifically proven to **retain more** of what you are studying and **concentrate** better.

Try to maintain a **consistent getting up time** and allow yourself **30 minutes** to unwind before you plan to go to sleep.

3. 30-minute study rule:

No-one can study for six-hours straight without a break. Trying to do so will increase your stress unnecessarily. Break up your time into **30-minute chunks** to be most effective. Take **micro-breaks** after every 30 minutes: stand up, check your phone, listen to a song, get some food.



4. Talk about exam nerves:

Feeling stressed and a little anxious about exams is normal. **Talk** to a friend or parent and share how you are feeling. You might feel better having spoken to someone.

5. Breaks = GOOD. Constant distraction = BAD:

Taking **planned breaks** is great and will help you remain on task but checking your social media every 5 minutes is a sure-fire study fail and might increase your feelings of stress unnecessarily. Research shows that it can take up to 20 minutes to refocus on a task when you've been unnecessarily distracted.