



Dear Parent/Carer

The summer holidays are an opportunity to rest and recharge, but it's also important to keep your learning going. Research shows that students who stop studying completely over the summer can lose up to a GCSE grade by September.

Just **30-60 minutes of focused revision each day** can help you retain your knowledge, build confidence, and give you a strong start to Year 11.

Below are the key topics we recommend you revise over the summer. A little effort each day can make a big difference to your GCSE success.

English

- Revisit the plots, characters and key themes in *Macbeth* and *A Christmas Carol*.
- Complete quotation-retrieval activities for the literature texts and poems studied.
- Revise the poems covered so far, including their key ideas, methods and relevant comparisons.
- Practise recalling and adapting their "Golden Story" in preparation for the creative-writing section of English Language Paper 1.
- Read online articles about topics that interest them, considering the writer's viewpoint, language choices and methods to support their preparation for English Language Paper 2 transactional writing.

Maths

- Complete the provided booklet containing questions on core topics that come up regularly on GCSE exam papers for students to practice. These focus mainly on number, proportion and algebra along with a little bit of data and algebra.

Science

Complete work on Seneca, focussing on;

- Biology Units 1–4 – Revise cell biology, organisation, infection and response, and bioenergetics. Focus on key processes, required practicals and applying your knowledge to unfamiliar exam questions.
- Chemistry Units 1–5 – Revise atomic structure, bonding, quantitative chemistry, chemical changes and energy changes. Make sure you can recall key equations, required practicals and explain chemical processes clearly.
- Physics Units 1–4 – Revise energy, electricity, particle model of matter and atomic structure. Pay particular attention to calculations, required practicals and applying physics equations to solve problems.

Business

- Topic 1.5 – The Economy and Business – Revise how the wider economy affects businesses, including interest rates, inflation, unemployment, exchange rates and economic growth. You should also understand how external factors, such as legislation, environmental issues and technological change, influence business decisions. Ensure you are familiar with key areas of business law, including consumer rights, employment law and health and safety, and be able to apply your knowledge to real business scenarios and exam-style questions.

History

- Medicine Through Time – Focus your revision on how medicine developed from the Renaissance through the 18th and 19th centuries and into the modern era (1900–present). Pay particular attention to key individuals, discoveries and developments, including William Harvey, Edward Jenner, Louis Pasteur, Robert Koch, Alexander Fleming and the impact of the NHS. Be able to explain why medical knowledge changed over time and compare different periods, using evidence to support your answers.
- Exam Practice – Complete all GCSE History questions and revision tasks set by your teacher on Microsoft Teams and ClassCharts.

Geography

- Paper 1:
Unit A - Hazards: Climate Change
Unit C - UK Landscapes: Coasts
Unit C - UK Landscapes: Rivers
- Paper 2:
Unit B - Changing Economic world: The Development Gap
Unit B - Changing Economic world: NEE Case Study: Nigeria
Unit B - Changing Economic world: Changing UK Economy
Unit C - Resource Management: UK Resources
Unit C - Resource Management: Water

French

Resources on Teams, via email previously and also hard copies given

Focus on:

- Tenses - especially present, perfect (past) and future.
- Vocabulary from modules 1-4 (Free time, Identity, School, Health)
- Variety phrases for speaking and writing (Found in grammar booklet)

PE / Sports Science

- Components of Fitness – Revise the definitions of each component of fitness and know which sports require them.
- Fitness Testing – Revise the purpose, method and results of the main fitness tests, including their strengths and limitations.
- Cardiovascular System – Revise the structure and function of the heart, blood vessels and blood, and how they respond to exercise.
- Respiratory System – Revise the structure and function of the lungs and how breathing changes during exercise.
- Aerobic and Anaerobic Exercise – Understand the differences between aerobic and anaerobic exercise, including energy production, sporting examples and their advantages and disadvantages.

Psychology

Core content:

- Child Development
- Memory
- Psychological Problems
- Social Influence

Required Studies

Piaget and Inhelder (Development)
Gunderson (Development)
Piliavin (Social)
Haney, Banks and Zimbardo (Social)
Caspi (Psychological problems)
Young (Psychological problems)
Bartlett (Memory)
Peterson and Peterson (Memory)

Yours sincerely

C Fox

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Assistant Principal

