

Subject: Biology

Autumn Term	Study the section of the specification covering Ecology. This includes ecosystems, biotic and abiotic factors, plant and animal adaptations, feeding relationships and decomposition.
November and December	Study inheritance including dominant and recessive conditions. Mock exam – Full paper 1 – covering the work done in Year 10, including required practicals . For details see information emailed to students in November
January to Easter	Apply the knowledge gained in the previous 2 teaching units to study Evolution. The final topics are Homeostatic & Nervous communication and Environment, before revising for the final exams Mock exam – Full paper 2 – covering work done in Year 11, including required practicals

Revision Tips for this Subject:

Students have access to a range of resources to use for revision
 Watch free science lessons for a concise summary of each topic.
 Create flashcards of key terms and definitions.
 Use GCSE BBC bitesize and use the embedded videos and quizzes
 Use the electronic flash cards (Brainscape) - links can be found in showbie
 Educake – set multiple choice questions by topic to test knowledge
 Use Seneca to revisit topics
 Use revision resources which can be found in showbie
 Review and repeat answers for marked task taking into account the feedback received.
 Create a revision timetable

Support in school

Lunchtime Support Sessions
 All students are welcome to attend these sessions which take place at the following times.

Wednesday week A in A16
 Friday week B in A16

Students will have an opportunity to ask for help with particular topics and ask questions to aid their understanding.

Support at home

Encourage your child to attend the Masterclasses for Biology which are available live and as recordings. The details for these sessions can be found in the bulletin.

Encourage your child to attend the lunchtime support sessions.

Encourage your child to talk to their class teacher where they feel they need more support.

Test your child using the flashcards created whilst revising.

Subject: Chemistry

Autumn Term	Rates of reaction, atmospheric pollutants.
November and December	Reversible reactions and equilibrium, the Haber process and NPK fertilisers. Mock
January to Easter	Carbon compounds as fuels and feedstocks, reactions of alkenes and alcohols, polymers, purity formulations and chromatography, identification of ions. Mock exam – Full paper 2 – covering work done in Year 11, including required practicals

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Encourage your child to talk to their class teacher where they feel they need more support.

Test your child using the flashcards created whilst revising.

Subject: Physics

Autumn Term	Complete electromagnetic waves and their uses/properties. Forces and Motion
November and December	Complete Forces and Motion and then begin studying Further Mechanics. Mock exam – Full paper 1 – covering the work done in Year 10, including required practicals . For details see information emailed to students in November
January to Easter	Complete Further Mechanics and then Electromagnetism before beginning revision. Mock exam – Full paper 2 – covering work done in Year 11, including required practicals

Revision Tips for this Subject:

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Test your child using the flashcards created whilst revising.