

AUTUMN 1

<p>Homeostasis and Response Homeostasis, nervous system, structure, and function of CNS.</p>	<p>Inheritance, Variation and Evolution Sexual and asexual reproduction, Meiosis.</p>	<p>Prior Learning Students have studied basic inheritance and evolution during year 8. Variation is briefly studied during reproduction in year 7.</p>
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AUTUMN 2

<p>Inheritance, Variation and Evolution Classification of living organisms.</p>	<p>Revision Respiration, photosynthesis, plant defences, diseases, cells, transport, digestion.</p>	<p>Prior Learning Students have studied basic inheritance and evolution during year 8. Variation is briefly studied during reproduction in year 7.</p>
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SPRING 1

<p>Ecology Ecosystems, communities Biotechnology, sustainability.</p>	<p>Prior Learning Students have studied basic plants in year 7 and interdependence including carbon cycle, food chains in year 8.</p>
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SPRING 2

<p>Revision Meiosis, reproduction, ecology, nervous system, homeostasis.</p>	<p>Prior Learning Pupils will have been exposed to content in year 9, 10 and year 11.</p>
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SUMMER 1

<p>Revision of all paper 1 and 2 content Revision of all topics depending on class strengths and weaknesses following mock examinations.</p>	<p>Prior Learning Pupils will have been exposed to content in year 9, 10 and year 11.</p>
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CAREERS LINKS

Geneticist, evolutionary biologist, teacher, lecturer, zoologists, palaeontologist, ecologist.

CHARACTER LINKS

Traits of curiosity, reasoning, and critical thinking (intellectual virtues) are fostered through scientific thought and evaluation of processes. Confidence, teamwork, and resilience are needed (performance virtues) when conducting scientific experiments and hypothesising.

KEY ASSESSMENT DATES

End of topic tests are completed in addition to exam assessments in Oct, Dec and April according to the KS4 assessment calendar.