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| C:\Work\Website\Website Resources\School Logos\Toot Hill College\THSFC_Badge.pngSUBJECT: Biology EXAM BOARD: AQA | |
| Course Overview (Y12) | The Year One course looks at different types of biological organisms, how this variation is brought about and explores how they function and survive in their environment. Students will initially look at the structure of some human systems, the diseases that can affect them and ways in which the body’s defence mechanisms work. At the end of Year 12 students are invited on the residential field trip which provides the exciting opportunity to study organisms in their natural habitat and complete some of the ‘Required Practicals’ for the course alongside developing examined practical skills. The Year Two course extends and deepens knowledge of Biology and introduces students to the innovative and rapidly expanding areas of gene technology.  **Year 1**  Topic 1: Biological molecules  Topic 2: Cells  Topic 3: Organisms exchange substances with their environment  Topic 4: Genetic information, variation and relationships between organisms  **Year 2**  Topic 5: Energy Transfers  Topic 6: Organisms responses to their internal/external environment  Topic 7: Genetics, populations, evolution and ecosystems  Topic 8: Control of gene expression  This course has a large volume of content to deliver, and so content delivery is the prime feature of ‘teacher led’ lessons. It is therefore essential that independent study to consolidate the theory and apply it to exam questions is done outside of lessons. Your teacher will provide independent study booklets as well as homework to ensure independent study is structured. |
| Useful websites | **AQA Website**: <https://www.aqa.org.uk/subjects/science/as-and-a-level/biology-7401-7402>  Specification outlines, past papers and mark schemes  **Notes/revision:**  <https://www.physicsandmathstutor.com/biology-revision/a-level-aqa/>  <http://www.a-levelnotes.co.uk/biology-aqa-as-level-notes-new-spec.html>  **Past papers:**  <https://mathsmadeeasy.co.uk/a-level-biology-revision/aqa-past-papers-a-level-biology/> |
| Essential textbooks  and reading list  Field trip: You will have the opportunity to attend a field trip at the end of year 12. This is a course requirement\* and allows you to complete the field skills unit of the course.  \* This trip has an associated cost of approx. £295. To ensure full attendance, this trip can be supported by the college bursary so please do talk to your tutor about this. | **AQA A Level Student's Book**. Glenn Toole and Susan Toole  **ISBN:** 9780198351771  <https://www.whsmith.co.uk/products/aqa-biology-a-level-2nd-revised-edition/glenn-toole/susan-toole/paperback/9780198351771.html>  **CGP Complete Year 1 and 2 Revision Guide and exam practice workbook**  **ISBN**: 9781789080261  **Head Start to A-Level Biology** *- This would be an excellent read over the summer.*  ISBN: 9781782942795  BAQ51 - New A-Level Biology for 2018: AQA Year 1 & AS Exam Practice Workbook - includes Answers BAR54 - New A-Level Biology for 2018: AQA Year 1 & AS Complete Revision & Practice with Online Editi |