

**A-Level Overview Year 1: Biology**

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| Term | Teacher IJB/RCW | Teacher EJA/AM | Key Skills / Coursework / PSAs / Deadlines |
| 1 | **Module 2 Foundations in Biology*** 2.1.2 Biological molecules (chapter 3)

Topic includes PAG -qualitative testing of Biological molecules* 2.1.3 Nucleotides and Nucleic Acids (chapter 3)

Topic includes PAG - Investigating DNA structure using RASMOL | **Module 2 Foundations in Biology*** 2.1.1 cell structure (chapter 2)
* 2.1.5 Biological membranes (chapter 5)
 | Use on line Text book resourcesRead textbook pagesReview your notesAnswer summary questions / Practice questions PAG Write upComplete flipped learning tasks |
| 2 | **Module 2 Foundations in Biology*** 2.1.3 Nucleotides and Nucleic Acids contd

Topic includes PAG - Investigating DNA structure using RASMOL* 2.1.4 Enzymes (chapter 4)

Topic includes PAGs - effect of temp and substrate conc on enzyme controlled reactions | **Module 2 Foundations in Biology*** 2.1.5 Biological membranes contd
* 2.1.6 Cell division, cell diversity and cellular organisation (chapter 6)

Topic includes PAG - using a microscope to study Mitosis | Use on line Text book resourcesRead textbook pagesReview your notesAnswer summary questions / Practice questions PAG Write upComplete flipped learning tasks |
| 3 | **Module 4-Biodiversity,evolution and disease*** 4.2.2 Classification and Evolution (chapter 10)
* 4.2.1 Biodiversity (chapter 11)

Topic includes PAG - the calculation of species diversity | **Module 3-Exchange and Transport*** 3.1.1 Exchange Surfaces (chapter 7)
* 3.1.2 Transport in Animals (chapter 8)

Topic includes PAG - dissection of mammalian heart | Use on line Text book resourcesRead textbook pagesReview your notesAnswer summary questions / Practice questions PAG Write upComplete flipped learning tasks |

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| 4 | **Module 4-Biodiversity,evolution and disease*** 4.2.1 Biodiversity Contd

Topic includes PAG - the calculation of species diversity* 4.1.1 Communicable diseases,disease prevention and the immune system (chapter 12)
 | **Module 3-Exchange and Transport*** 3.1.2 Transport in Animals contd

Topic includes PAG - dissection of mammalian heart* 3.1.3 Transport in Plants (chapter 9)

Topic includes PAG - using a potometer | Use on line Text book resourcesRead textbook pagesReview your notesAnswer summary questions / Practice questions PAG Write upComplete flipped learning tasksrevision |
| 5 | RevisionInternal exams30th April 1 week (stary of term 9th April)PAG work | RevisionInternal examsPAG work | Use on line Text book resourcesRead textbook pagesReview your notesAnswer summary questions / Practice questions PAG Write upComplete flipped learning tasksrevision |
| 6 | **Module 6 Genetics Evolution Ecoysstems*** 6.3.1 ecosystems to include PAG work and field work (chap 23)
 | **Module 6 Genetics Evolution Ecoysstems*** 6.3.2 populations and sustainability, to include Research PAG and field work (chapter 24)
 | Use on line Text book resourcesRead textbook pagesReview your notesAnswer summary questions / Practice questions PAG Write upComplete flipped learning tasks |

**A-Level Overview Year2: Biology**

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| Term | Teacher AM/IJB | Teacher EJA/RCW | Key Skills / Coursework / PSAs / Deadlines |
| 1 | **Module 6 Genetics Evolution Ecoysstems*** Chapter24 revision/test
* 6.1.1 cellular control (chap 19)
* 6.3.1 ecosystems to include, succession, revision of summer work and field trip prep (chap 23)
* 6.1.2 patterns of inheritance (chap 20)
 | **Module 6 Genetics Evolution Ecoysstems*** 6.1.3 manipulating genomes(chapter 21)
* 6.2.1 cloning and biotechnology(chapter 22)

Topic includes PAG - dilution plating | Use on line Text book resourcesRead textbook pagesReview your notesAnswer summary questions / Practice questions PAG Write upComplete flipped learning tasksTake part in conservation and field studies work as part of the **residential field trip 4th-5th Oct 2017** |
| 2 | **Module 6 Genetics Evolution Ecoysstems*** 6.1.2 patterns of inheritance (chap 20)

**Module 5 communication, homeostasis and Energy*** 5.1.1 communication and homeostasis and 5.1.4 hormonal communication

( chap14)Revision Module 2 | **Module 5 communication, homeostasis and Energy*** 5.2.1 Photosynthesis(chapter 17)

Topic includes PAG - chromatography photosynthetic pigments* Revision module 2
* Revision module 4
 | Use on line Text book resourcesRead textbook pagesReview your notesAnswer summary questions / Practice questions PAG Write upComplete flipped learning tasksrevision |
| 3 | **Mock Exams Jan8th -12th** **Module 5 communication, homeostasis and Energy*** 5.1.3 neuronal communication ((chapter 13)
* 5.1.5 plant and animal responses(chapter 16)
 | **Mock Exams Jan8th -12th** **Module 5 communication, homeostasis and Energy*** 5.2.2 Respiration(chapter 18)
* 5.1.1,5.1.2, Homeostasis(Chapter 15)
 | Use on line Text book resourcesRead textbook pagesReview your notesAnswer summary questions / Practice questions PAG Write upComplete flipped learning tasks |
| 4 | Complete topics from term 3 and revision | Complete topics from term 3 and revision | Use on line Text book resourcesRead textbook pagesReview your notesAnswer summary questions / Practice questions PAG Write upComplete flipped learning tasksrevision |
| 5 | Revision and mock exams | Revision and mock exams | Use on line Text book resourcesRead textbook pagesReview your notesAnswer summary questions / Practice questions PAG Write upComplete flipped learning tasksrevision |
| 6 | Study Leave/ Exams |