

**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 resources  Read textbook pages  Review your notes  Answer summary questions / Practice questions  PAG Write up  Complete 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 resources  Read textbook pages  Review your notes  Answer summary questions / Practice questions  PAG Write up  Complete 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 resources  Read textbook pages  Review your notes  Answer summary questions / Practice questions  PAG Write up  Complete 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 resources  Read textbook pages  Review your notes  Answer summary questions / Practice questions  PAG Write up  Complete flipped learning tasks  revision |
| 5 | Revision  Internal exams30th April 1 week (stary of term 9th April)  PAG work | Revision  Internal exams  PAG work | Use on line Text book resources  Read textbook pages  Review your notes  Answer summary questions / Practice questions  PAG Write up  Complete flipped learning tasks  revision |
| 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 resources  Read textbook pages  Review your notes  Answer summary questions / Practice questions  PAG Write up  Complete 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 resources  Read textbook pages  Review your notes  Answer summary questions / Practice questions  PAG Write up  Complete flipped learning tasks  Take 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 resources  Read textbook pages  Review your notes  Answer summary questions / Practice questions  PAG Write up  Complete flipped learning tasks  revision |
| 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 resources  Read textbook pages  Review your notes  Answer summary questions / Practice questions  PAG Write up  Complete flipped learning tasks |
| 4 | Complete topics from term 3 and revision | Complete topics from term 3 and revision | Use on line Text book resources  Read textbook pages  Review your notes  Answer summary questions / Practice questions  PAG Write up  Complete flipped learning tasks  revision |
| 5 | Revision and mock exams | Revision and mock exams | Use on line Text book resources  Read textbook pages  Review your notes  Answer summary questions / Practice questions  PAG Write up  Complete flipped learning tasks  revision |
| 6 | Study Leave/ Exams | | |