

*A Level Biology Year 13 Curriculum Overview 2024/2025*

**Autumn term: 2024**

**Section 5 Energy Transfer**

* Recap Year 12 Biology & Link to Synoptic overview
* 5.1 Photosynthesis
* 5.2 Respiration
* 5.3 Energy & Ecosystems
* 5.4 Nutrient Cycles
* RP7 & RP8

Review and EOU Test/Assessments

**Section 6 Coordination & Responses**

* 6.1 Survival & Response

• Summary and review

• Revision & summary:

• EOU test

**Section 6 Coordination & Responses Continued**

• 6.2 Receptors

* 6.3 Control of Heart Rate
* 6.4 Nervous Coordination
* 6.5 Muscles
* 6.6 Principles of Homeostasis
* 6.7 Control of Blood Glucose
* 6.8 Control of Water potential
* RP 10 & RP 11

• Review and Recap OU Test

*Christmas break*

*Half Term*

**Section 7 Genetics and Population**

• 7.1 Inheritance

* 7.2 Populations
* 7.3 Evolution & Speciation
* 7.4 Populations in Ecosystems
* Field Trip RP12

• Review and Summary

• EOU Test

**Spring term: 2025**

**Winter term: 2025**

**Section 8 The control of Gene Expression**

* 8.1 Gene Mutations
* 8.2 Stem Cells and Totipotency
* 8.3 Regulation of Transcription & Translation
* 8.4 Epigenetic control of gene expression
* 8.5 Gene Expression and Cancer
* 8.6 Genome Projects

Summary & Review/ Revision

*Half Term*

**Section 8 Continued**

• 8.7 Recombinant DNA Technology

* 8.8 Differences in DNA
* Genetic Finger Printing
* Review and Revision
* Recap Year 12
* Revision & Practice for Paper 1 & Paper 2 Exams
* Essay writing revision and Practice for Paper 3

*Easter break*