



EPCHS SCIENCE DEPARTMENT:

BIOLOGY LEARNING JOURNEY YEAR 12



Additional Information

Examination Board: AQA

Further Information:

<https://filestore.aqa.org.uk/resources/biology/specifications/AQA-7401-7402-SP-2015.PDF>

<https://www.senecalearning.com/>

Additional Support: Masterclass; Tuesdays 3pm – 4pm

Units

3.1. Biological Molecules

Monomers and polymers, carbohydrates, lipids, proteins, nucleic acids, ATP, water, inorganic ions

3.2 Cells

Cell structure, microscopes, mitosis, the cell cycle, transport across cell membranes, cell recognition and the immune system

3.3 Organisms exchange substances with their environment

Surface area to volume ratio, gas exchange, enzymes and digestion, mass transport

3.4 Genetic information, variation and relationships between organisms

DNA, genes and chromosomes, protein synthesis, mutation, diversity and adaptation, taxonomy, biodiversity

End of
Year Exams

3.1-3.4 Revision

Summer
Term

3.3 Organisms exchange substances with their environment Assessments
End of topic tests periodically

3.4 Genetic information, variation and relationships between organisms

Spring
Term

3.2 Cells

Assessments
End of topic tests periodically

3.1. Biological Molecules

Autumn
Term