



Trilogy Biology KS4 Learning Journey

YEAR

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GCSE Ecology

Ecosystems, materials and cycling, animal and plant interactions, abiotic and biotic factors. Sustainability, and threats to biodiversity.



GCSE Genetics and Inheritance

Meiosis and mitosis, cellular DNA and its function, genetic inheritance and disorders, evolution and speciation gene technologies.



GCSE Homeostasis

Interpreting stimulus and co-ordinating responses within the nervous and endocrine system, reproduction, contraception and fertility,



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GCSE Bioenergetics and Plants

Pathogens are microorganisms causing infectious disease, treatment and prevention, vaccinations and drug trials. In humans only.



Plant tissues, organs and systems, photosynthesis and respiration, rates, exercise and metabolism. Transpiration and translocation.



GCSE Infection and Response

GCSE Organisation of Animals

Principles of organisation of the human body, digestion using enzymes and nutrition.



YEAR

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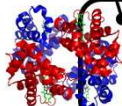
GCSE Cell Biology

Exploring structural differences and functionality of cells within organisms. Cell division by mitosis and then specialisation and differentiation.



GCSE Circulation and Health

Blood and circulatory system, the respiratory system, CHD, cancer and non-communicable diseases and medical treatments.



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