



# Science Journey at Bosworth Academy

## How can you progress in Science?



Apply for University through UCAS or alternative post 18 Science courses

Study Science or Engineering at University  
Apprenticeship or Job Route

TO LEARN TO ACHIEVE



Take a gap year, travel and embrace the world

**A Level Colour Code**  
Biology  
Chemistry  
Physics



Revision for GCSE exam



Human body systems, Earth's resources and generating electricity

Diffusion, osmosis, hydrocarbons and heat transfer



Cells, Structure and bonding and Energy

Start with learning some scientific skills



Visit Bosworth Academy's Open Evening

Be equipped with the knowledge to understand the uses and implications of science

Develop scientific knowledge of Biology, Chemistry and Physics

Develop a curiosity about the world around you

YEAR 12

YEAR 9

YEAR 7

YEAR 13

YEAR 11

YEAR 10

YEAR 8

PRIMARY

A-Level Science Exams



Organic Synthesis

EM Induction and The Gas Laws



Nuclear Physics and Circular Motion

Homeostasis and Populations

Acids, Bases and Polymers

Photosynthesis and Respiration

Astrophysics

Genes and Recombinant DNA

Transition metals and Structures

Fields and Thermal Physics

Response and the Nervous System

Rates and Carbonyl compounds

AS Science Exams

Biological molecules and Nucleic Acids

Particles and Quantum Physics

Energetics and Hydrocarbons

Exchange and Mass Transport

Waves and Optics

Organic Analysis and Carboxylic Acids

DC Circuits and components

Atomic Structure and Bonding

Cells and Cell Transport

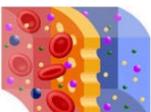
Mechanics and Materials

Equilibria and Alcohols

DNA and Genetics

Series Circuits Explained

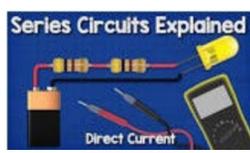
Human Population and Impact, Using Resources and Space



Feeding Relationships, Polymers and Light

Homeostasis, Chemical Calculations 2 and household electricity

Vaccination, Electrolysis and Electricity



March Mock Exams

Selective Breeding, Organic Reactions and Electromagnetic Induction

November Mock Exams

End of year 10 mock exams

Human health and disease, chemical calculations and waves

Practical Activities ongoing throughout the year



Periodic table patterns, Radioactivity and Diseases

Brain and the Eye, Energy Changes and Forces



Organisms, Communities, Rates of Reaction and Pressure



Health and Lifestyle

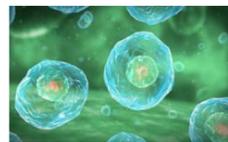
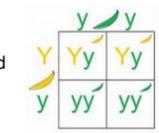
Assessment Point 2

Energy

Mission 2 – The 10x Challenge

The periodic table

Adaptation and inheritance



Assessment Point 1

Atoms elements and compounds

Assessment Point 2

Light



Assessment Point 3

Mission 1 – Who am I? Cells and Reproduction

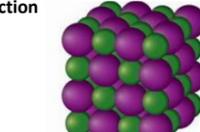
Particles and their behaviour

Mission 2 – My NET Zero School – Botanical Bosworth

Chemical Reactions

Mission 3 – My Healthy Mind

Body Systems and Forces



Develop understanding of the nature, processes and methods of science



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Develop a curiosity about the world around you

Your own journey to *lifelong learning of Science*