BIOLOGY CURRICULUM MAP

KS3 AQA Science
KS4 AQA trilogy combined science. Triple science

GCSE EXAM

FURTHER STUDY
Genetics • Zoology • **Microbiology** • Biomedical Science • Environmental Sciences • **Biochemistry** • Psychology • Botany • **Sport Science** • Marine Biology • **Molecular Biology**

CAREER PATHS
Nature conservation officer • Research Scientist • Nursing **Forensic Scientist** • Pharmacist • **Physiotherapist** • Education • **Journalism & Broadcasting** • Medicine • Veterinary Surgeon • **Agriculture** • Optometrist

SKILLS
Analysis • **Attention to Detail** • **Communication** • **Practical Skills** • Numeracy • Literacy • Organisation Problem solving • **Research** • Ethics • **Logical Thinking**

INTEREST
Biology impacts everyone through food, illnesses and nature.

7 Ecology

Revision of all units

Paper 1: Topic 1-4

Paper 2: Topics 5-7

MOCK EXAM **MOCK EXAM**

ASK:
What is meant by evolution?
What impact have humans had on the planet?

6 Inheritance & Evolution

AO1 AO2 AO3

YEAR 11

MOCK EXAM

5 Homeostasis & Response

4 Bioenergetics

ASK:
How do we study cells?
How are new cells produced?
How are substances transported around the body?

ASK:
How does the body protect itself from disease?
What factors affect chemical reactions in the body?
How is blood sugar controlled?

1 Cell Biology

2 Organisation

YEAR 10

AO1 AO2 AO3

3 Infection & Response

The start of your first GCSE unit

ASK:
How can we track variation in a species?
How does variation help survival?
What causes variation?

ASK:
How do animals release energy from their food?
How do plants produce energy to grow?

Getting GCSE Ready
Applied Biology

AO1 AO2 AO3

YEAR 9

Genes
Evolution
Inheritance

Ecosystems
Respiration
Photosynthesis

ASK:
How do organisms vary?
How are organisms adapted to their environment?
How are new humans made?

ASK:
How does your body exchange gases with environment?
How can drugs affect your body?
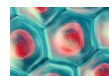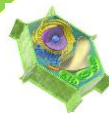How does the body break down the foods you eat?

ASK:
How do organisms interact within an ecosystem?
What happens to organisms is ecosystems change?
How do plants reproduce?

Genes
Variation
Human reproduction

YEAR 8

Organisms
Breathing
Digestion

ASK:
Why do we need a skeleton?
How do we move?
What are we made of?

Ecosystems
Interdependence
Plant reproduction

Organisms
Movement
Cells

YEAR 7

AO1
BIOLOGY SKILL
Demonstrating knowledge & understanding

AO2
BIOLOGY SKILL
Apply knowledge of scientific ideas, enquiries & techniques

AO3
BIOLOGY SKILL
Interpret, evaluate, judge & make conclusions from given information