

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

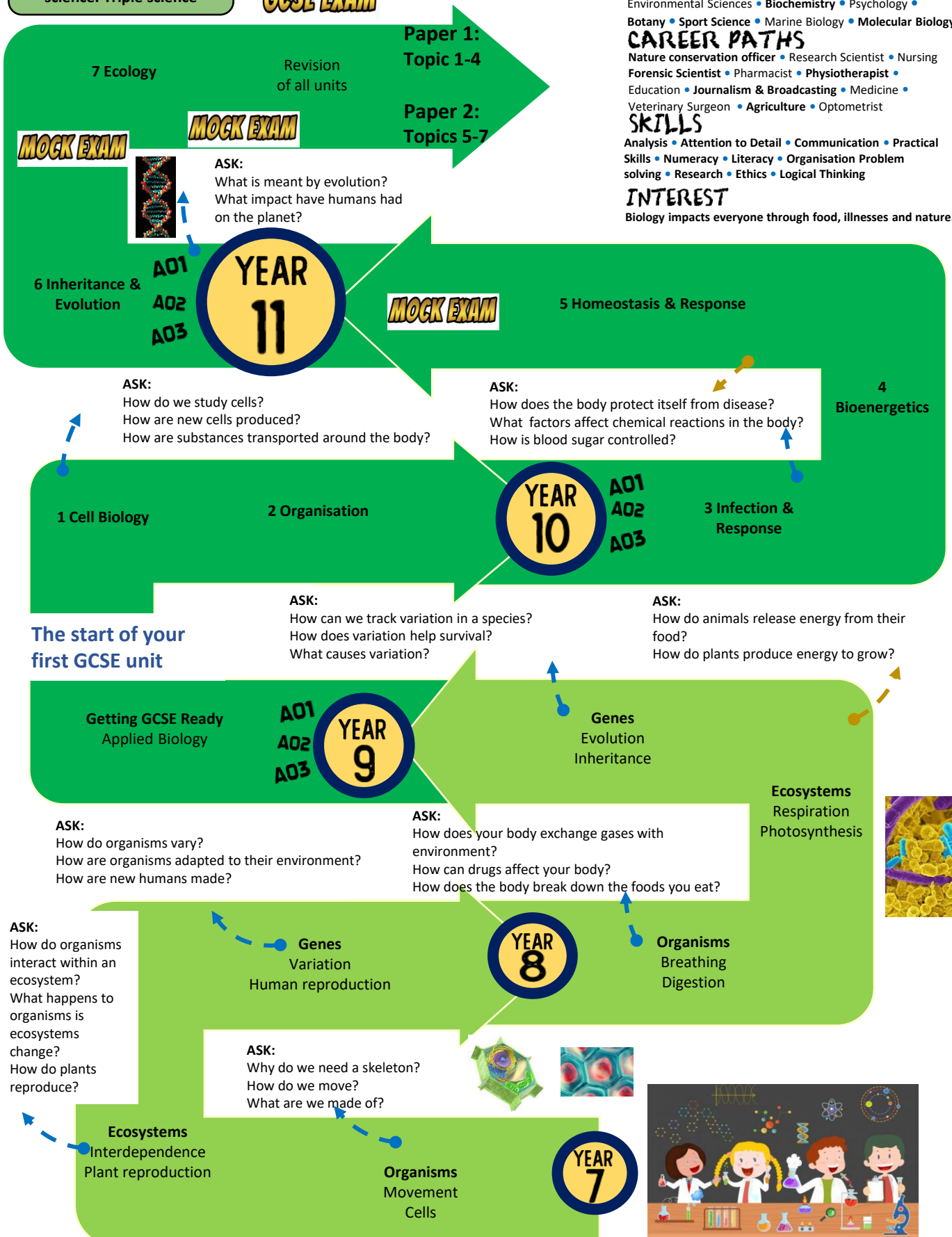
Analysis • Attention to Detail • Communication • Practical

Skills • Numeracy • Literacy • Organisation Problem

solving • Research • Ethics • Logical Thinking

INTEREST

Biology impacts everyone through food, illnesses and nature.



7 Ecology

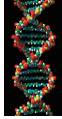
Revision of all units

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?

YEAR 11

6 Inheritance & Evolution

A01
A02
A03

MOCK EXAM

5 Homeostasis & Response

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?

4 Bioenergetics

1 Cell Biology

2 Organisation

YEAR 10

A01
A02
A03

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

A01
A02
A03

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?

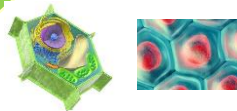
ASK:
How do organisms interact within an ecosystem?
What happens to organisms in ecosystems change?
How do plants reproduce?

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



A01

BIOLOGY SKILL
Demonstrating knowledge & understanding

A02

BIOLOGY SKILL
Apply knowledge of scientific ideas, enquiries & techniques

A03

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