YR11 REVISION

Term 3 — Organ systems - cardiovascular system, lungs

Endocrine, reproduction in animals and plants

Post-16

Human defence, drug testing

Term 2 — Infection and response

Vaccine debate

Antibiotic resistance

Covid-19

Drug testing ethics

GCSE required practicals

GCSE practicals

Term 1

Impact of humans on species

GM food debate

Global food shortage

YEAR 2

Adaptation, interdependence

Classification, ecosystems

YR11 REVISION

Evolution, natural selection, decay, recycling

Natural resources

Climate change

Treating kidney disease

Term 3 — Plants – organs, transport, bioenergetics

Endocrine, kidney

Homeostasis

Diet & exercise

Value of plants in medicine

Impact of smoking

Healthy vs unhealthy diet

Menstruation & fertility

Term 2 — Organ systems - cardiovascular system, lungs

NS, brain, eye, digestion

Sex determination, disorders

Heart disease

Inherited disorders

Gene therapy

Mental health

Impact of drugs

Living with diabetes

Term 1 — DNA, human genome

Foundations in biology, Cells, diffusion/osmosis enzymes

Biological sex vs gender

'Designer babies' debate

Stem cell debate

YEAR 1

KS3 Science

Culture capital opportunities

KS3 — Understanding and applying scientific skills — KS4

- Understanding variables
- Drawing graphs and analysing graphical data
- Assessing impact of scientific concepts
- Maths applications in science
- Drawing conclusions and risk assessing
- Presenting and communicating ideas
- Understanding relationships between science and society

Curriculum journey KS4 Biology