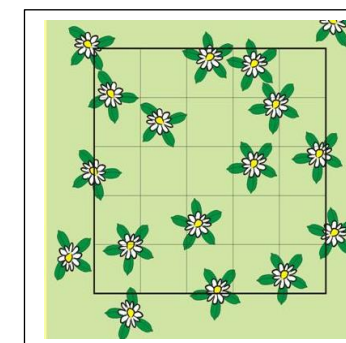
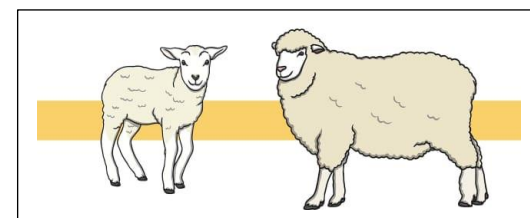
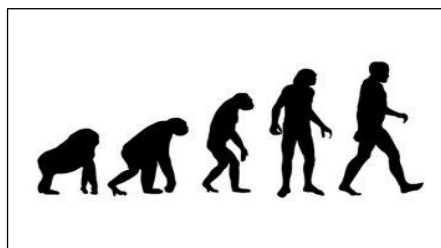




Gordon's School Biology Department



GCSE - Curriculum Map



Key Skills:

- Development of scientific thinking
- Planning investigations
- Developing experimental skills and strategies
- Recording data – tables and graphs
- Data analysis
- Data evaluation

Key Terms:

- Accuracy
- Control variable
- Dependent variable
- Error
- Independent variable
- Precision
- Prediction
- Repeatable
- Reproducible
- Variable

Revision & Exams

Genetics & Evolution

Fossils as evidence for evolution, and how species become extinct.

Variation & Evolution

How variation can lead to change.

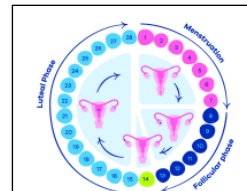
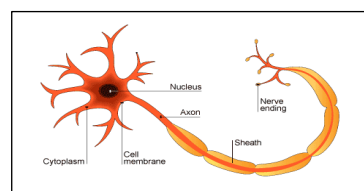
Reproduction

Meiosis, inheritance, and genetics.

Year 11 Mocks

Ecology

How organisms live in ecosystems and how Man is threatening this.



Year 11

Photosynthesis
How plants use the sun's energy to make food.

Respiration

How organisms transfer energy from glucose.

Human Nervous System & Homeostasis
How the body reacts to change.

Hormonal Control

How hormones control blood glucose levels, the menstrual cycle and fertility.

Homeostasis in Action (Set 1 only)

Control of body temperature and the kidney.

Gas Exchange & Transport
How gas substances are moved around organisms.

Organising Animals

How the heart & circulatory system move substances around the body.

The Digestive System

How the food we eat provides us with the nutrients and energy we need.

Year 10

Non-communicable diseases

Cancer & Risk Factors.

Preventing & treating disease

The use of vaccinations, drugs, and antibiotics.

Communicable diseases

Such as Measles, *Salmonella* and Malaria.

Year 9

Cell Structure & Transport

The study of the basic units of life and how substances move in and out of them.

Cell Division & Stem Cells

Cell division through mitosis and how undifferentiated stem cells can be used.

Exam Specification:



Separate Science - Biology

Should this QR code not work, please click [here](#) for the relevant specification.

Exam Specification:



Combined Science Trilogy - Biology

Should this QR code not work, please click [here](#) for the relevant specification.

Command Words:

- Calculate
- Compare
- Complete
- Describe
- Determine
- Evaluate
- Explain
- Justify
- Predict
- State
- Suggest
- Use