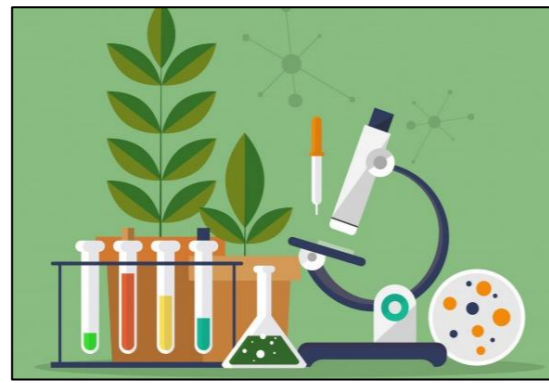
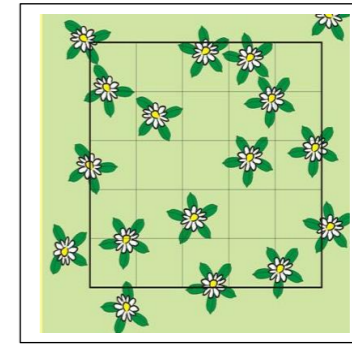
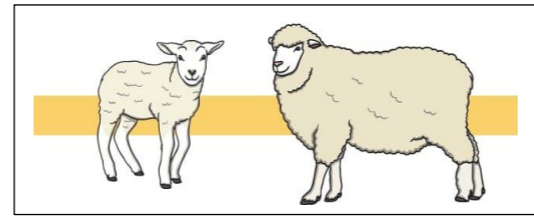
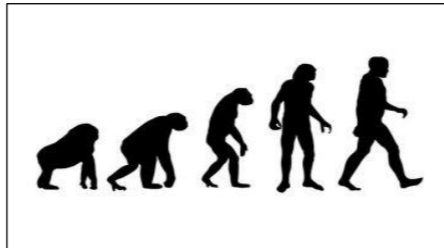




Gordon's School Biology Department



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.

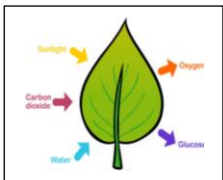
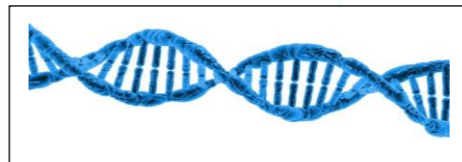
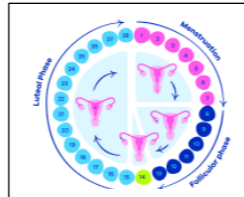
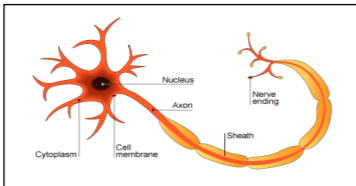
Reproduction

Meiosis, inheritance, and genetics.

Year 11 Mocks

Homeostasis in Action (Set 1 only)

Control of body temperature and the kidney.



Photosynthesis

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

Respiration

How organisms transfer energy from glucose.

Year 10 Exams

Ecology

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

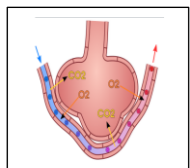
Year 11

Human Nervous System & Homeostasis

How the body reacts to change.

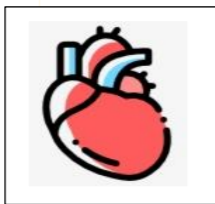
Hormonal Control

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



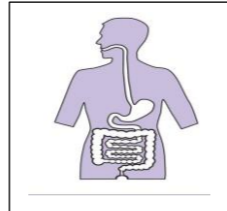
Gas Exchange & Transport

How gas substances are moved around organisms.



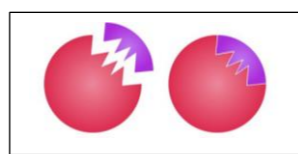
Organising Animals

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

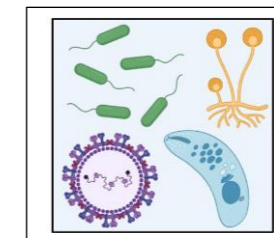


Non-communicable diseases

Cancer & Risk Factors.

Preventing & treating disease

The use of vaccinations, drugs, and antibiotics.

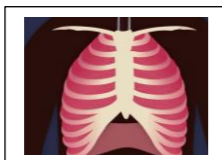


Exam Specification:



Separate Science - Biology

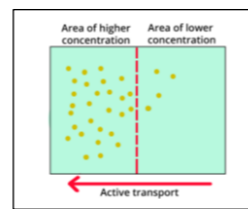
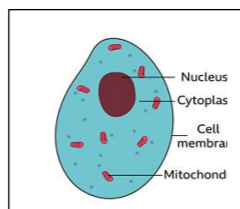
Should this QR code not work, please click [here](#) for the relevant specification.



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.



Communicable diseases

Such as Measles, Salmonella and Malaria.



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