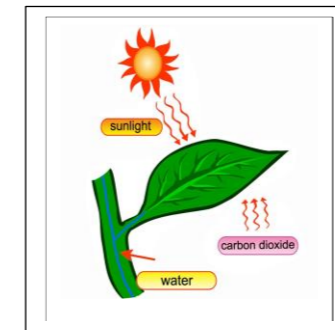
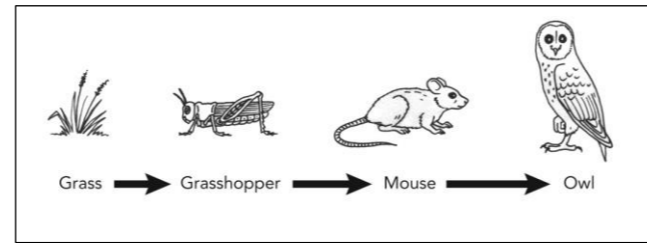
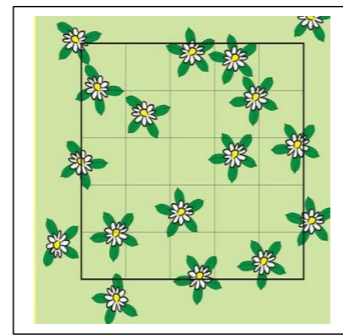




# Gordon's School Biology Department



## KS3 - Curriculum Map



- Key Skills:**
- Planning investigations
  - Identifying variables
  - Developing experimental skills
  - Recording data – tables and graphs
  - Data analysis
  - Data evaluation

- Key Terms:**
- Accuracy
  - Control variable
  - Dependent variable
  - Error
  - Independent variable
  - Precision
  - Prediction
  - Repeatable
  - Reproducible
  - Variable

**Ecosystem Processes 2**  
How energy is transferred through food chains and webs. How organisms inhabit ecosystems, and how we sample them.

**Ecosystem Processes 1**  
Leaf adaptations and photosynthesis. How respiration transfers energy we need to carry out vital process.

**Health & Lifestyle 2**  
The effects of smoking, drugs, and alcohol.

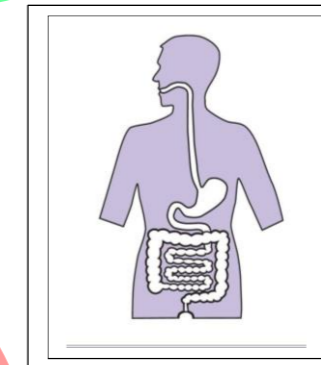
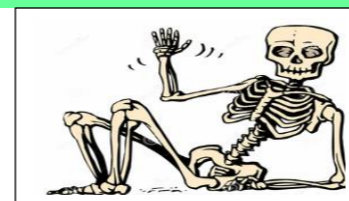
**Respiration:**  

$$C_6H_{12}O_6 + 6O_2 \rightarrow 6CO_2 + 6H_2O + ATP$$
 Glucose    Oxygen    Carbon    Water    Energy

**Year 8**

**Human Reproduction**  
Changes the human body goes through during puberty, as well as the menstrual cycle, pregnancy, and contraception.

**Health & Lifestyle 1**  
What we eat and how we digest our food. How we identify food through food test. What is a healthy diet?



**Plant Reproduction**  
How plants reproduce. The structure of flowers. Seed dispersal, pollination, and germination.

**Body systems 2**  
How muscles and the skeleton work together to allow us to move.

**Body systems 1**  
Levels of organisation. Gas exchange, lung structure and breathing.

**Year 7**

**Cells**  
What plant and animal cells are made of. How substances move in and out of cells. Unicellular organisms.

- Command Words:**
- Calculate
  - Compare
  - Complete
  - Describe
  - Explain
  - State
  - Suggest
  - Use

