



**End of
KS4**

**Year
11**

**Top 3 tips for parents
and carers during KS4**

1. Buy a revision
guide & scientific
calculator

2. Use flashcards to
test your child on
recalling facts

3. Make sure you
know what tier
your child is
sitting and make
sure all 6 exam
dates are
recorded

Next steps in Science...

FE: A-Level Biology
or BTEC Applied
Science

HE: Medicine,
Dentistry, Marine
biology, Ecologist

Career:
Conservationist,
Teacher, Vet,
Midwife



**KS4 Learning
Journey for
Biology**

**Start
of KS4**

3. Ecology
*Ecosystems, Food chains &
Biodiversity*

2. Inheritance
*Inherited diseases, Selective
breeding & Genetic engineering*

Yr11-I. Cell biology
*Microscopy & magnification
Cell division, Stem cells*

**Yr10 – I Organisation in
plants and animals**
*Circulatory system
Plant tissues and transport*

2. Homeostasis
*Nervous system &
reflexes*

**3. Organisation &
Bioenergetics**
Digestion, enzymes & metabolism

4. Homeostasis
Hormones and fertility

PPE Preparation for KS4: identify command words in questions and make sure you know what they mean; make sure you can convert units; name equipment accurately; plot, describe and explain a variety of graphs

4. Variation and Evolution
Evolution, Fossils and extinction

5. Infection and response
*Diseases caused by pathogens &
preventing their spread*

6. Organisation
*Diseases caused by lifestyle and
genes*

Study skills for KS4: Create flashcards of key definitions, use questions in each chapter in revision guide to develop recall, use writing frames on Google Drive to structure answers, complete past paper questions and use mark scheme, download spec to use as a checklist

3. Bioenergetics
Photosynthesis & respiration

2. Cell transport
*Diffusion, Osmosis & active
transport*

Yr9-I. Cell Biology
*Comparing cell types and
looking at adaptations*

**Online learning
during KS4**

1. [Seneca learning](#)
2. [Free science lessons](#)
3. [GCSE Pod](#)
4. [CGP app](#)
5. [YouTube Required practical's](#)

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