A Level **Specification:** AQA Biology 7402

SCIENCE: BIOLOGY

Contact:

JMS: Mrs S Johnson
FZ: Mrs E Crowe

What will I study?

- Biological molecules
- Cells
- Organisms exchange substances with their environment
- Genetic information, variation and relationships between organisms
- Energy transfers in and between organisms
- Organisms respond to changes in their internal and external environments
- Genetics, populations, evolution and ecosystems
- The control of gene expression

How will I be assessed?

Paper 1
Content from topics 1-4, including relevant practical skills :
2 hours - 91 marks
76 marks: a mixture of short and long answer questions
15 marks: extended response questions:
35% of A-level

Paper 2
Content from topics 5 - 8 above, including relevant practical skills
2 hours - 91 marks
76 marks: a mixture of short and long answer questions
15 marks: comprehension question
35% of A level

Paper 3
Content from topics 1-8, including relevant practical skills
2 hours - 78 marks
38 marks: structured questions, including practical techniques
15 marks: critical analysis of given experimental data
25 marks: one essay from a choice of two titles
30% of A-level

Students will also receive a pass or fail for practical skills which will be assessed following 12 Required Practical's that students complete in lessons.

How will I learn?

- Class discussions and presentations
- Research and independent learning
- A range of practical work in lessons
- Analysis of data
- Answering challenging questions.

What skills will I need?

- An interest in the subject, beyond what is taught at school.
- Excellent Independent learning and organisational skills.
- Good maths skills, including calculating percentage and interpreting graphs
- Excellent language skills, including using technical vocabulary and giving clear, concise explanations
- Self-motivation.

Careers & Progression

A good grade in A level Biology will prepare you for a wide range of courses, both at university and in the workplace. It is an excellent grounding for careers in Biomedical Sciences, Forensic Sciences, Environmental Sciences, Marine Biology, Biophysics, Medicine, Nursing, Dentistry, Veterinary Science, Physiotherapy, Pharmacy, Education and many more.