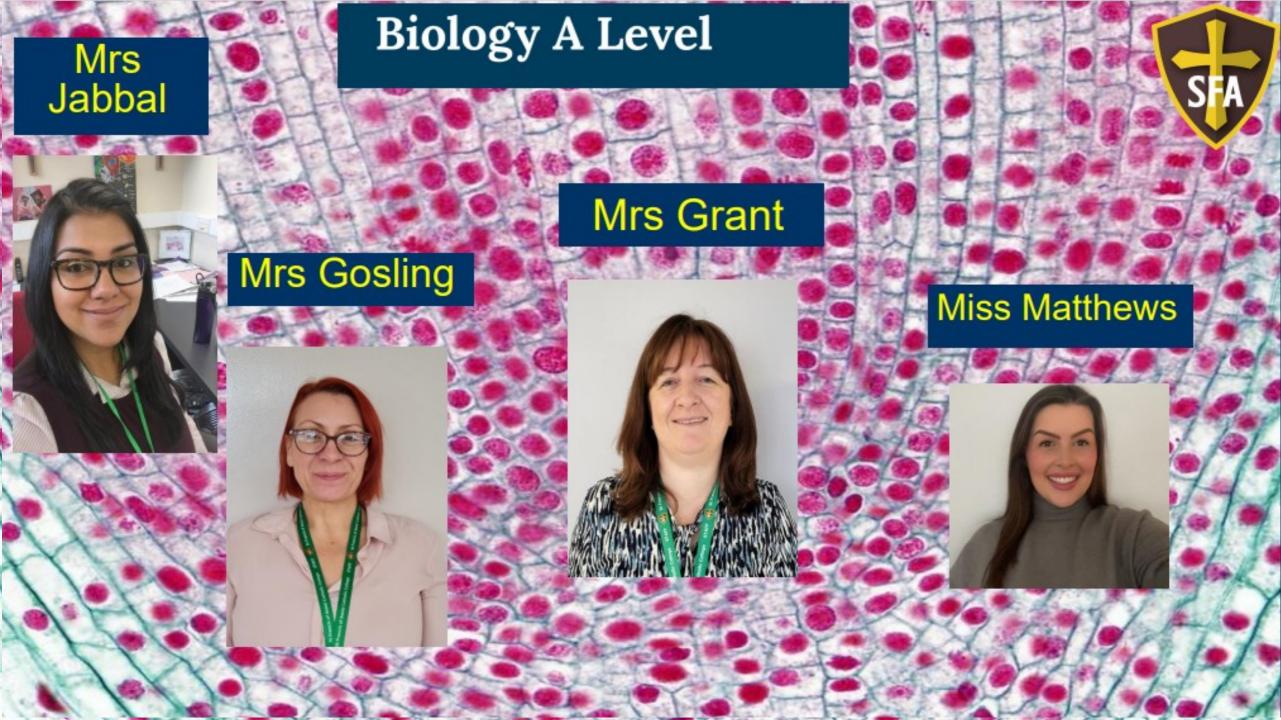
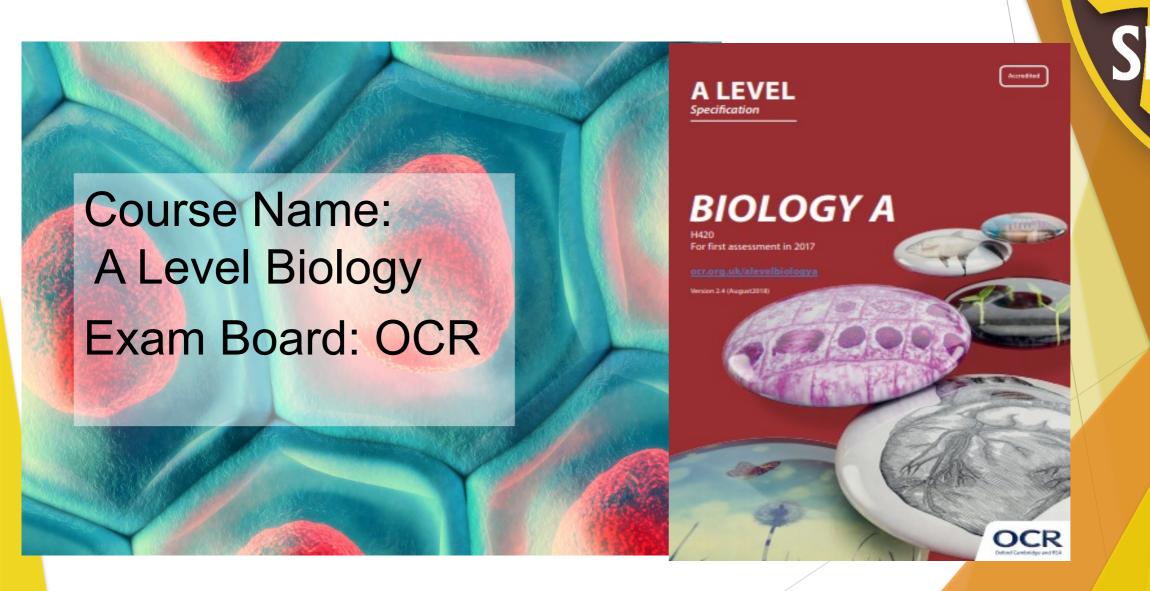


Biology A Level





Course Details



Course Outline

- Module 1 Development of Practical skills
- Module 2 Foundations in Biology
- Module 3 Exchange and Transport
- Module 4 Biodiversity, evolution and disease
- Module 5 Communication, homeostasis & energy
- Module 6 Genetics, evolution and ecosystems

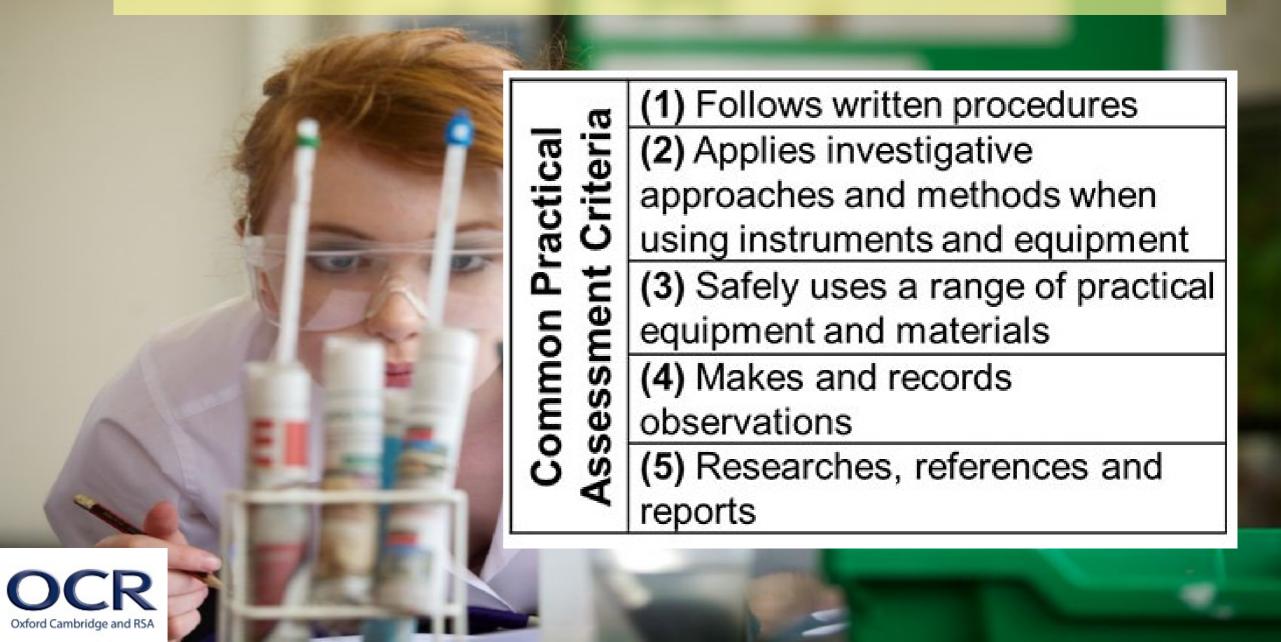


Module 1: Development of practical skills

- 1.2.1 Practical skills (written paper)
 - Independent thinking
 - Use and application of scientific methods and practices
 - Research and referencing
 - Instruments and equipment
- 1.2.2 Use of apparatus and techniques (practical endorsement minimum of 12 practicals)
 - E.g. microscopes
 - Safe and ethical use of organisms
 - Aseptic techniques
 - Dissections
 - Sampling in fieldwork
 - ICT computer modelling/data logging

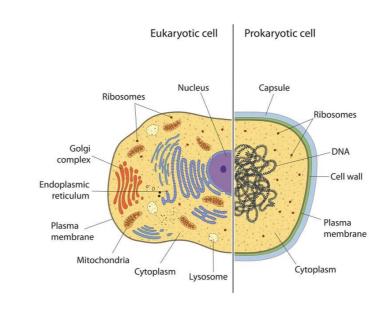


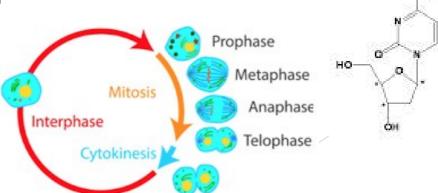
Practical Skills-What is assessed?

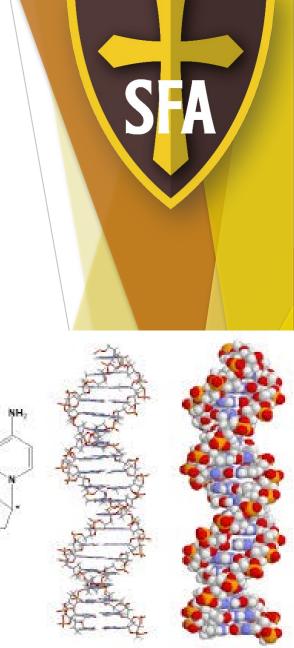


Module 2: Foundations in Biology

- Cell Structure
- Biological Molecules
- Nucleotides and Nucleic Acids
- Enzymes
- Biological Membranes
- Cell Division, Cell Diversity and Cellular Organisation

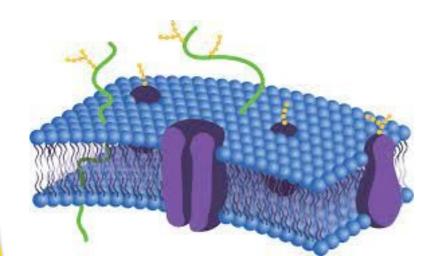






Module 3: Exchange and Transport

- Exchange Surfaces
- Transport in animals
- ► Transport in plants

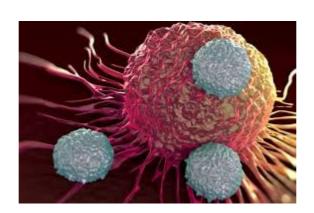




Module 4 Biodiversity, Evolution and disease

- Communicable diseases disease prevention and the immune system
- Biodiversity
- Classification and evolution



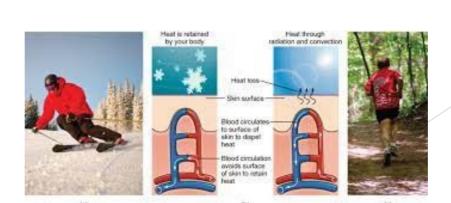






Module 5: Communication, Homeostasis ~ and Energy

- Communication and Homeostasis
- Excretion as an example of homeostatic control
- Neuronal communication
- Hormonal communication
- Plant and animal responses
- Photosynthesis
- Respiration







Module 6: Genetics, Evolution and

Ecosystems

Cellular Control

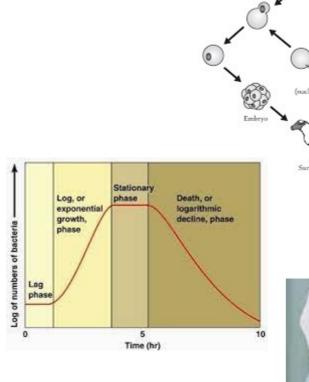
Patterns of Inheritance

Manipulating Genomes

Cloning and Biotechnology

Ecosystems

Populations and Sustainability





Essential Course Details

Paper	Component	Marks	Assesses content from modules	Duration	Weighting
1	Biological processes	100	1235	2hr 15min	37%
2	Biological diversity	100	1246	2hr 15min	37%
3	Unified Biology	70	123456	1hr 30min	26%
4	Practical	Non exam		-	Pass/Fail
	endorsement	assessment			

Range of activities

- Practical Biology
- Supporting theory, practising skills
- Research skills
- Independent work, collaborative work
- Presentation skills
- Work as a team or individual, present research project
- Modelling
- Application of principles
- Ecological investigations







Why choose Biology?

Biology is useful entry into:

- Any biological sciences e.g. biochemistry, physiology, zoology, marine biology, botany anatomy, genetics, biotechnology, pharmacology
- Medical sciences e.g. Pharmacy, medicine, dentistry, pathology
- Sport sciences
- Psychology or Sociology
- Other pure science e.g. Physics, Chemistry
- Applied sciences e.g. Forensics, Archaeology
- Environmental Sciences.



and much more!

Entry Requirements

7, 6 in Combined ScienceOr7 in Biology.

Must also have at least a grade 5 in Mathematics and English.

Note

To study two A level Sciences, you will need a grade 7,7 on combined sciences.

To study three A level Sciences, you will need a grade of 8,7 on combined sciences.



Results

2025	100% A*-E	86% A*-C
2024	100% A*-E	56% A*-C
2023	92% A*-E	42% A*-C
2022	92% A*-E	48% A*-C
2019	93% A*-E	65% A*-C

