

# Human Biology Higher

## What will I study?

There are Four units of study:

**Unit 1: Human Cells.** This unit covers; division and differentiation in human cells, structure and replication of DNA, gene expression, genes and proteins in health and disease, human genomics, metabolic pathways, cellular respiration and energy systems in muscle cells.

**Unit 2: Physiology and Health.** This unit covers; the structure and function of reproductive organs, hormonal control of reproduction, the biology of controlling fertility, ante- and postnatal screening, the structure and function of arteries, capillaries and veins, the structure and function of the heart, pathology of cardio vascular disease.

**Unit 3: Neurobiology and Communication.** This unit covers; divisions of the nervous system and parts of the brain, perception and memory as storage, retention and retrieval of information, the cells of the nervous system, communication and social behaviour.

**Unit 4: Immunology and Public Health.** This unit covers; non-specific defences, specific cellular defences, the transmission and control of infectious diseases, vaccination and the evasion of specific immune responses by pathogens.

## What skills will I develop?

A range of skills will be developed throughout the course. Some of the skills are listed below:

- Applying knowledge.
- Scientific inquiry and investigation.
- Scientific analytical thinking.
- Problem solving.
- Independent working.
- Use and understand scientific literacy in everyday contexts.
- Planning

## How will I be assessed?

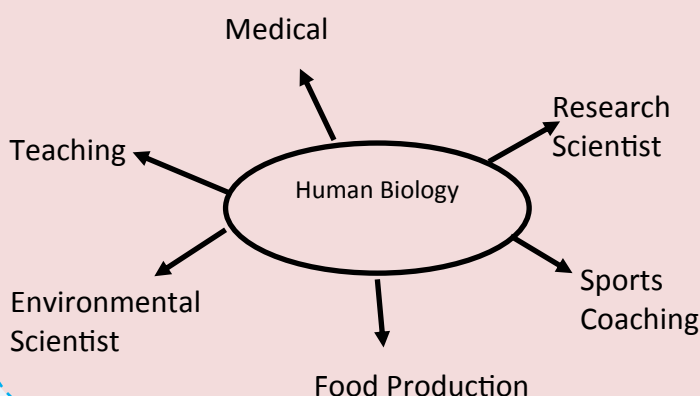
**Higher** units are assessed in school by your class teacher. Pupils complete an assignment in school and sit a final exam. Both of these are sent away to be marked.

## What can I go on and study in fifth and sixth year?

**Higher** → Advanced Higher Biology

**Higher** → Another science subject at H level.

## Possible Careers



**Need more info? -**

[Highers in a Nutshell](#)