

### What is Human Biology?

Human Biology explores what it is to be human – how the human body works, the origins of human variation, inheritance in humans, the evolution of the human species and population genetics. Students research new discoveries that increase our understanding of human dysfunction, treatments and preventative measures, with practical tasks forming an integral part of this course.

### How will Human Biology help me in the future?

This course encourages students to evaluate risks and benefits to make informed decisions about lifestyle and health topics. Students develop their understanding of the cumulative and evolving nature of scientific knowledge and the ways in which such knowledge is obtained through scientific investigations. They learn to think critically, to evaluate evidence, to solve problems and to communicate understandings in scientific ways.

### What careers can Human Biology lead to?

Human Biology can prepare students for a range of careers, including those in medical and paramedical fields, science education, food and hospitality, childcare, sport and social work.

### What content will I study in Year 11 and Year 12?

Year 11	
<b>Human Biology ATAR Unit 1:</b> Students analyse how the structure and function of body systems, and the interrelationships between systems, support metabolism and body functioning.	<b>Human Biology ATAR Unit 2:</b> Students study the reproductive systems of males and females, mechanisms of inheritance, and the effects of the environment on gene expression.
Year 12	
<b>Human Biology ATAR Unit 3:</b> Students explore the nervous and endocrine systems and the mechanisms that help maintain the systems of the body to function within a normal range, and the body's immune responses to invading pathogens.	<b>Human Biology ATAR Unit 4:</b> Students explore the variations in humans, their changing environment and evolutionary trends in hominids.

### What are the pre-requisites?

60% in Year 10 Science Core or a 'C' grade in Year 10 Science Extension.

## LEARN MORE

**Visit:** <https://senior-secondary.scsa.wa.edu.au/syllabus-and-support-materials/science/human-biology>

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