



## Course Information

# Sciences

## Human Biology | HBY



ATAR

### About the course

Unit one looks at how human structure and function supports cellular metabolism and how lifestyle choices affect body functioning.

Unit two provides opportunities to explore the mechanisms of transmission of genetic materials to the next generation, the role of males and females in reproduction, and how interactions between genetics and the environment influence early development.



## A1HBY

### Unit 1 The functioning human body

Students look at cells as the basic structural and functional unit of the human body, and the structures that carry out a range of functions related to metabolism, including anabolic and catabolic reactions, the exchange of materials and the role of enzymes. They study the respiratory, circulatory, digestive and excretory systems which control the exchange and transport of materials in support of metabolism, particularly cellular respiration. They also study the structure and function of the musculoskeletal system which provides for human movement and balance. Students carry out practical activities, trial different methods of collecting data, use simple calculations to analyse data and become aware of the implications of bias and experimental error in the interpretation of results. They are encouraged to use ICT to interpret and communicate their findings in a variety of ways.



#### Prerequisites

Competency with the English language



#### Type of Assessment

20% Science Inquiry  
15% Extended Response  
25% Test  
40% Examination



#### Year of Study

Year 11



#### Costs

Unit Cost \$50