



## LOCATION



Level 1/15 Lang Parade, Milton Qld 4064  
PO Box 1576, Milton Qld 4064

A short walk from bus stop, train station and  
ferry terminal.

**07 3371 5999**

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<https://www.linkedin.com/company/hubbard's-school/>



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## BIOLOGY

Chas Khokhar

11.30 - 1.30pm

Monday, Wednesday & Friday



# BIOLOGY | GENERAL SUBJECT

## WHAT WILL I BE STUDYING?

### COURSE OVERVIEW

- Unit 1: Cells and Multicellular Organisms
- Unit 2: Maintaining the Internal Environment
- Unit 3: Biodiversity and the Interconnectedness of Life
- Unit 4: Continuity of Life
- A 1/2 day compulsory excursion will be held partway through the year to Bunyaville Environmental Education Centre.

### COURSE STRUCTURE - 4 UNITS

#### UNIT 1 CELLS AND MULTICELLULAR ORGANISMS

- Cells as the basis of life
- Multicellular organisms

#### UNIT 2 MAINTAINING THE INTERNAL ENVIRONMENT

- Homeostasis
- Infectious diseases

#### UNIT 3 BIODIVERSITY AND THE INTERCONNECTEDNESS OF LIFE

- Describing biodiversity
- Ecosystem dynamics

#### UNIT 4 HEREDITY AND CONTINUITY OF LIFE

- DNA, genes and the continuity of life
- Continuity of life on Earth

## HOW WILL BIOLOGY BE USEFUL?

- Helps answer fundamental question about life; how it begins, how it is maintained and how it changes.
- Develop a deeper understanding and aesthetic appreciation of the living world.
- It provides a sound background for biological studies at a tertiary level, including many health sciences.
- Biology is a suitable option for students who wish to study a science subject but are not necessarily attracted to higher mathematics (required for physics and chemistry).

## WHAT IS THE BEST WAY TO STUDY BIOLOGY?

- **ATTEND ALL LESSONS.** Absences result in loss of continuity of the topic. In the case of unavoidable absences, make sure you find out what was covered. If any difficulties, arrange for extra help immediately.
- **DO ALL HOMEWORK.** Again, if you experience difficulty seek help.
- Make short summaries of topics as they are covered and use these for revision.
- **IN CLASS.** Take notes and be mindful of the concepts being presented.
- Practice writing answers to past paper questions rather than just thinking about them.

## HOW WILL I BE ASSESSED?

### INTERNAL ASSESSMENT:

- Unit 1 & 2: Examination (120 minutes)
- Achieving a C in this exam will give you TWO credit points towards your QCE.

This exam **DOES NOT** count towards your ATAR.

### SUMMATIVE INTERNAL ASSESSMENT

- Unit 3 - Data test (Exam, **10%**)
- Unit 3 - Student experiment (Assignment, **20%**)
- Unit 4 - Research investigation (Assignment, **20%**)

The results of these three internal assessments **DOES** count towards your ATAR.

### SUMMATIVE EXTERNAL ASSESSMENT

- Units 3 & 4 - Examination (**50%**)

The results of this external assessment **DOES** count towards your ATAR.

## WHAT RESOURCES WILL I NEED?

### TEXTBOOKS

- *Nelson QScience Biology Units 1&2*
- *Nelson QScience Biology Units 3&4*
- *Oxford Study Buddy QCE Biology Units 3 & 4*

A 'fill-in-as-we-go' biology workbook is available for free download or purchase. Students are encouraged to use their copy to record class notes.