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# VCE UNITS INFORMATION

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## VCE BIOLOGY UNITS 1 AND 2 CONTINUED

### Unit 2

- Students should be able to compare the advantages and disadvantages of asexual and sexual reproduction
- Students should be able to explain how changes within the cell cycle may have an impact on cellular or tissue system function
- Students should be able to identify the role of stem cells in cell growth and cell differentiation and in medical therapies
- Students should be able to apply an understanding of genetics to describe patterns of inheritance, analyse pedigree charts and predict outcomes of genetic crosses
- Students should be able to identify the implications of the uses of genetic screening and decision making related to inheritance
- Students should be able to investigate and communicate a substantiated response to a question related to an issue in genetics and/or reproductive science

### ASSESSMENT

Across both units, assessment includes the undertaking of: practical activities, questions and problems, tests, the design and implementation of field based investigations, short reports on ecological investigations, and presentations of structured written reports of field studies, presentations of practical reports in non text formats such as poster and multimedia, and oral presentations.



*"Biology is rad. The theory is challenging and the practicals are fun. You'll learn all the things you've always had questions about."*

*Mary Vlachos*