

Senior Biology (General)
Learning & Assessment Overview 2021

| Year 11 | | | | Year 12 | | | |
|---|--|--|---|--|--|---|---|
| BSC Unit 1 Cells and multicellular organisms | | BSC Unit 2 Maintaining the internal environment | | BSC Unit 3 Biodiversity and the Interconnectedness of Life | | BSC Unit 4 Heredity and the Continuity of Life | |
| By the end of this unit, students will: 1. describe and explain cells as the basis of life, and multicellular organisms 2. apply understanding of cells as the basis of life, and multicellular organisms 3. analyse evidence about cells as the basis of life, and multicellular organisms 4. interpret evidence about cells as the basis of life, and multicellular organisms 5. investigate phenomena associated with cells as the basis of life, and multicellular organisms 6. evaluate processes, claims and conclusions about cells as the basis of life, and multicellular organisms 7. communicate understandings, findings, arguments and conclusions about cells as the basis of life, and multicellular organisms. | | By the end of this unit, students will: 1. describe and explain homeostasis and infectious disease 2. apply understanding of homeostasis and infectious disease 3. analyse evidence about homeostasis and infectious disease 4. interpret evidence about homeostasis and infectious disease 5. investigate phenomena associated with homeostasis and infectious disease 6. evaluate processes, claims and conclusions about homeostasis and infectious disease 7. communicate understandings, findings, arguments and conclusions about homeostasis and infectious disease. | | Students will: 1. describe and explain biodiversity and ecosystem dynamics 2. apply understanding of biodiversity and ecosystem dynamics 3. analyse evidence about biodiversity and ecosystem dynamics 4. interpret evidence about biodiversity and ecosystem dynamics 5. investigate phenomena associated with biodiversity and ecosystem dynamics 6. evaluate processes, claims and conclusions about biodiversity and ecosystem dynamics 7. communicate understandings, findings, arguments and conclusions about biodiversity and ecosystem dynamics. | | Students will: 1. describe and explain DNA, genes and the continuity of life, and the continuity of life on Earth 2. apply understanding of DNA, genes and the continuity of life, and the continuity of life on Earth 3. analyse evidence about DNA, genes and the continuity of life, and the continuity of life on Earth 4. interpret evidence about DNA, genes and the continuity of life, and the continuity of life on Earth 5. investigate phenomena associated with DNA, genes and the continuity of life, and the continuity of life on Earth 6. evaluate processes, claims and conclusions about DNA, genes and the continuity of life, and the continuity of life on Earth 7. communicate understandings, findings, arguments and conclusions about DNA, genes and the continuity of life, and the continuity of life on Earth. | |
| Topics 1. Cells as the basis of life 2. Multicellular organisms | | Topics 1. Homeostasis 2. Infectious disease | | Topics 1. Describing biodiversity 2. Ecosystem dynamics | | Topics 1. DNA, genes and the continuity of life 2. Continuity of life on Earth | |
| Unit Duration Yr 11 Weeks 1 - 16 (16 weeks) | | Unit Duration Yr 11 Weeks 17 - 32 (16 weeks) | | Unit Duration Yr 11 Weeks 33-38, Year 12 Weeks 1 - 12 (18 weeks) | | Unit Duration Yr 12 Weeks 12 - 33, External Exam Weeks 34 - 37 (21 weeks) | |
| Assessment Task/s | | | | Assessment Task/s | | | |
| FIA1 Data Test Weighting: 10% <i>Conditions:</i> 60 mins + 10 mins perusal, short responses, paragraphs, up to 500 words in total <i>Issued:</i> n/a <i>Due:</i> Week 7 | FIA2 Experimental Investigation Weighting: 20% <i>Conditions:</i> 10 hours class time, 1500-2000 words short response items <i>Issued:</i> Week 11 <i>Due:</i> Week 16 | FIA3 Research Report Weighting: 20% <i>Conditions:</i> 10 hours class time, 1500-2000 words <i>Issued:</i> Week 19 <i>Due:</i> Week 24 | FIA4 Examination Weighting: 50% <i>Conditions:</i> 2 papers, each 90 mins + 10 mins perusal short response items <i>Issued:</i> n/a <i>Due:</i> Week 32 | IA1 Data Test Weighting: 10% <i>Conditions:</i> 60 mins + 10 mins perusal, short responses, paragraphs, up to 500 words in total <i>Issued:</i> n/a <i>Due:</i> Week 4 | IA2 Experimental Investigation Weighting: 20% <i>Conditions:</i> 10 hours class time, 1500-2000 words short response items <i>Issued:</i> Week 7 <i>Due:</i> Week 12 | IA3 Research Report Weighting: 20% <i>Conditions:</i> 10 hours class time, 1500-2000 words <i>Issued:</i> Week 19 <i>Due:</i> Week 24 | EA4 Examination Weighting: 50% <i>Conditions:</i> 2 papers, each 90 mins + 10 mins perusal short response items <i>Issued:</i> n/a <i>Due:</i> Week 33-37 |