

## Course Outline 2021

### Subject: Level THREE Biology

|  |          |                |           |
|--|----------|----------------|-----------|
| Course Code:   | L3BIOL01 | Course Length: | Full year |
| Brief Description:   |          |                |           |
| <p>This course is for those learners who wish to continue on from Level 2 Biology, with a view to studying Biology at tertiary level eg medical science. This is a FOUR period a week academic course (full course) focusing on evolution, human biology and evolution, and a socio-scientific issue and/or GMOs, with an optional external standard on animal behaviours and plant responses. Good literacy is essential to succeed in Level 3 Biology due to the research, and extended answers and report writing involved.</p> |          |                |           |
| Pre-requisites/Co-requisites:  |          |                |           |
| AS91157, Level 2 literacy  |          |                |           |
| Cost/Equipment:  |          |                |           |
| <p>\$10 EP, \$12 per SciPAD workbook (2) = \$34, Field trip (Zoo) = \$35, Flint Knapper = \$15<br/>2B8 hardcover notebook recommended for each learner.</p>  |          |                |           |
| Teacher in Charge of this Course:  |          | Maria Sinclair |           |

|                          |         |  |  |  |     |                 |                   |                          |  |  |
|--------------------------|---------|--|--|--|-----|-----------------|-------------------|--------------------------|--|--|
| Max credits - 16         |         |  |  |  |     |                 |                   |                          |  |  |
| Max external credits - 9 |         |  |  |  |     |                 |                   |                          |  |  |
| Course Design            |         |  |  |  | I/E | Num/Lit (level) | Number of credits | Standard completion date |  |  |
| Compulsory Internal AS   |         |  |  |  |     |                 |                   |                          |  |  |
| 1.                       | 91604v2 | Demonstrate understanding of how an animal maintains a stable internal environment |  |  | I   | Lit R           | 3                 | March                    |  |  |
| Optional AS              |         |  |  |  |     |                 |                   |                          |  |  |

|             |         |  |   |          |   |                  |
|-------------|---------|--|---|----------|---|------------------|
| 1.          | 91603v2 | Demonstrate understanding of the responses of plants and animals to their external environment       | E | Lit R, W | 5 | NCEA<br>November |
| 2.          | 91602v2 | Integrate biological knowledge to develop an informed response to a socio-scientific issue           | I | Lit R    | 3 | June             |
| 3.          | 91607v2 | Demonstrate understanding of human manipulations of genetic transfer and its biological implications | I | Lit R    | 3 | July             |
| External AS |         |  |   |          |   |                  |
| 1.          | 91605v2 | Demonstrate understanding of evolutionary processes leading to speciation                            | E | Lit R,W  | 4 | NCEA<br>November |
| 2.          | 91606v2 | Demonstrate understanding of trends in human evolution   | E | Lit R, W | 4 | NCEA<br>November |