

## **2022** Marine and Aquaculture Technology Scope & Sequence

Faculty: STEM Subject: Marine and Aquaculture Technology Year: 9

|        | 1  | 2   | 3   | 4                                      | 5   | 6  | 7 | 8 | 9                | 10  | 11  |  |
|--------|--|---|---|--|---|--|---|---|------------------|---|-----|--|
| TERM 1 | Bootcamp  Project: How can we stay safe in the marine environment and enjoy it at the same time?  Title / Unit: Core 1 – Introduction to Marine and Aquaculture Technology  Timing: 6 weeks  Outcomes: MAR5-1, MAR5-2, MAR5-3, MAR5-7, MAR5-9, MAR5-10, MAR5-11, MAR5-13, MAR5-14  Skills: planning investigations, conducting investigations, processing and analysing data and information, communicating  4Cs: communication, collaboration, critical thinking, creativity  Literacy focus: SST, tier 2 words, spelling, grammar, punctuation  Numeracy focus: data analysis, graphs, table, measurement, units  Skills consolidation from Stage 4: investigations, data analysis, groups skills, ICT  Assessment data and weightings: Knowledge and Data Analysis (in class written task) 25% Term 1 Week 8  |   |   |  |   |  |   |   | it at the same t | Project: How can we stay safe in the marine environment and enjoy it at the same time?  Title / Unit: Module 5 – Marine Mammals |     |  |
|        | 1  | 2   | 3   | 4                                      | 5   | <u> </u>   | 6 | 7 | 8                | 9   | 10  |  |
| TERM 2 | Project: How can we Title / Unit: Module! Timing: 7 weeks Outcomes: MAR5-2, Skills: planning invest information, communi 4Cs: communication, Literacy focus: SST, ti Numeracy focus: dat Skills consolidation from title of the control | stay safe in the marine en<br>5 – Marine Mammals<br>MARS-3, MARS-7, MARS-1<br>igations, conducting inve-<br>incating<br>collaboration, critical thin<br>er 2 words, spelling, gram<br>a analysis, graphs, table | vironment and enjoy it at the symmetry of the | e same time?<br>14<br>alysing data and | Project: How of Title / Unit: M Timing: 6 wee Outcomes: M/ Skills: planning Literacy focus: Numeracy foc Skills consolid 4Cs: communi | ect: How can we stay safe in the marine environment and enjoy it at the same time?  / Unit: Module 6 – Dangerous Marine Creatures  |   |   |                  |   |     |  |
|        | 1  | 2   | 3   | 4                                      | 5   |  | 6 | 7 | 8                | 9   | 10  |  |
| TERM 3 | Skills: planning invest<br>Literacy focus: SST, ti<br>Numeracy focus: dat<br>Skills consolidation f<br>4Cs: communication,   | 3 – Rock platforms  MARS-2, MARS-7, MARS-: igations, conducting inve- er 2 words, spelling, gram a analysis, graphs, table  | tigations, processing and an<br>mar, punctuation<br>s, data analysis, groups skills<br>king, creativity   | alysing data and information           | n, communicating  | Project: How do fish work?  Title / Unit: Module 29 – Fish Biology  Timing: 6 weeks  Outcomes: MAR5-1, MAR5-9, MAR5-10, MAR5-13, MAR-14  Skills: planning investigations, conducting investigations, processing and analysing information, communicating  Literacy focus: SST, tier 2 words, spelling, grammar, punctuation  Numeracy focus: data analysis, graphs, table  Skills consolidation from Stage 4: investigations, data analysis, groups skills, ICT  4Cs: communication, collaboration, critical thinking, creativity  Assessment data and weightings: Knowledge and Data Analysis (in class written ta week 2 |   |   |                  |   | ICT |  |
|        | 1  | 2   | 3   | 4                                      | 5   | 1  | 6 | 7 | 8                | 9   | 10  |  |
| TERM 4 | Project: Title / Unit: Module 29 – Fish Biology  Title / Unit: Module 10 – Living Together in the Sea Timing: 7 weeks Outcomes: MAR5-1, MAR-14 Skills: planning investigations, conducting investigations, processing and analysing data and information, communicating Literacy focus: SST, tier 2 words, spelling, grammar, punctuation Numeracy focus: data analysis, graphs, table, measurement, units Skills consolidation from Stage 4: investigations, data analysis, groups skills, ICT 4Cs: communication, collaboration, critical thinking, creativity Assessment data and weightings: NA  |   |   |  |   |  |   |   |                  |   |     |  |