

## Task Scaffold

Below outlines the factors each outcome will assess within the Depth Study presentation from the marking criteria.

### **BIO11/12-1 Develops and evaluates questions and hypotheses for scientific investigation:**

Create an inquiry question based on an aquatic site to formulate a hypothesis that can resource primary and secondary data for further investigation

### **BIO11/12-2 Designs and evaluates investigations in order to obtain primary and secondary data and information:**

Complete risk assessment, listing hazards and prevention procedures

- Outline of materials used and explanation of method that is replicable
- Scientific variables accounted for
- Alternative resources and possible improvements considered

### **BIO11/12-4 Selects and processes appropriate qualitative and quantitative data and information using a range of appropriate media:**

- Complete an appropriate presentation of relevant results
- Discussion of data, trends, patterns and relationships found in the results with relevancy, accuracy, validity and reliability assessed
- Relevant literature cited
- Suggestions for future improvements justified

### **BIO11/12-7 Communicates scientific understanding using suitable language and terminology for a specific audience or purpose:**

- Communication piece presentation
- Conclusions
- Correct use of scientific language and notations
- Exemplary spelling and grammar
- Reference list correctly formatted (style issued by supervising teacher)

### **BIO11-10 Biological Diversity: describes biological diversity by explaining the relationships between a range of organisms in terms of specialisation for selected habitats and evolution of species:**

- Knowledge and understanding of biological diversity
- Relevant and accurate information that presents relationships between a range of organisms
- Relevant data and justification appropriately reflects the study site
- Evolution of species is explained with supportive literature
- All the above is evident throughout the communication piece