Kariong Mountains High School

Stage 6 Assessment Task

Science Faculty

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| HSC Marine Studies | | | | | | | | | | |
| Title: | | Commercial and Recreational Fishing | | | **Task Number:** | 2 | **Task Type** | | Practical demonstration and research task | |
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| Weighting of Task: | | | 25% | Marks: | | Task will be marked out of 61 | | | | |
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| Date Set: | | | Wednesday 17/2/16 | Date Due: | | Wednesday 2/3/16 | | Class: | | 12 Marine |
| Student’s Name: | | |  | Teacher’s Name: | | Mrs M. Miller | | | | |
| **Description of Outcomes Assessed:** | | | | | | | | | | |
| 1.1 | relates with a respectful and caring attitude to the ocean and its life forms | | | | | | | | | |
| 1.2 | identifies the roles of individuals or groups involved in maritime activities | | | | | | | | | |
| 1.3 | recalls aspects of the maritime environment using relevant conventions, terminology and symbols learned throughout the course | | | | | | | | | |
| 2.1 | appreciates the importance of effective management practice | | | | | | | | | |
| 2.3 | communicates information by writing reports, giving short talks and contributing to discussions | | | | | | | | | |
| 4.1 | identifies marine vocations and a range of leisure pursuits | | | | | | | | | |
| 4.2 | appreciates marine environments as sources of employment and leisure | | | | | | | | | |
| 5.1 | values the rules and operating principles of marine equipment and applies them | | | | | | | | | |
| **Learning areas Assessed:** | | | | | | | | | | |
| Optional Module 10: Commercial and Recreational Fishing | | | | | | | | | | |
| **Assessment Task: DESCRIPTION OF TASK**  **Part A: Students will be practically assessed from the Commercial and Recreational Fishing module.**  **This task will be marked on 10 components (each worth 5 marks).**   1. tying hook, sinker and swivel using a half-blood knot [1.2,4.1,5.1] 2. correctly baiting a hook [1.1,1.2,2.1,4.1,5.1] 3. demonstrate correct casting and return [1.1,1.2,2.1,4.1,5.1] 4. demonstrate safe and caring handling of fish (if caught) [1.1,1.2,2.1,4.1,5.1]   **Part B: Students are to produce a two page fishing guide for the local site, to be handed in by 8.30am. The guide is to include:**   1. location name and map (3 marks) [1.3,2.3,4.1,4.2,5.1] 2. daily tide chart for location for Monday 7/03/2016 (3 marks) [1.3,2.1,2.3,4.2,5.1] 3. Identify two (2) types of fish in the local area including: [1.3,2.1,2.3,4.2,5.1]    1. Common and scientific names (4 marks)    2. Picture of fish (4 marks)    3. Size and bag limits (4 marks)    4. Fishing tactics/methods – including bait used, rig setup, habitat/casting locations (8 marks)   **Part C: Students are to produce a one page sustainable fishing report, to be handed in by 8.30am. The report is to include:**   1. The role of a NSW fisheries officer, qualifications required and their location on the Central Coast (9 marks) [1.2,2.1,2.3,4.1,4.2] 2. Three (3) strategies used to conserve fish stocks in the local area (6 marks) [1.2,2.1,2.3,4.1,4.2] | | | | | | | | | | |
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**Marking Criteria**

**Part A – Practical assessment (20 Marks)**

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| **Criteria** | **Mark** |
| **Tying hook, sinker and swivel using a half-blood knot** [1.2,4.1,5.1] |  |
| * Ties all three with no assistance | 5 |
| * Ties all three with little assistance | 4 |
| * Ties all three with assistance | 3 |
| * Ties at least one knot with assistance | 2 |
| * Attempts to tie a knot | 1 |
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| **Correctly baits a hook** [1.1,1.2,2.1,4.1,5.1] |  |
| * Baits hook with no assistance | 5 |
| * Baits hook with little assistance | 4 |
| * Baits hook with assistance | 3 |
| * Attempts to bait hook | 2 |
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| **Demonstrate correct casting and returning** [1.1,1.2,2.1,4.1,5.1] |  |
| * Shows correct and accurate casting technique and returns with ease | 5 |
| * Shows correct casting technique and returns with ease | 4 |
| * Shows correct casting technique with little help | 3 |
| * Shows correct casting technique with assistance | 2 |
| * Attempts to cast and return | 1 |
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| **Safe handling of fish** [1.1,1.2,2.1,4.1,5.1] |  |
| * Explains or demonstrates how to remove a hook with minimal harm to the animal | 5 |
| * Explains or demonstrates how to remove a hook with little assistance | 4 |
| * Explains or demonstrates how to remove a hook with assistance | 3 |
| * Attempts to explain or demonstrate how to remove a hook safely | 2 |

**Part B – Fishing guide (26 Marks)**

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| **Criteria** | **Mark** |
| **Location name and map** [1.3,2.3,4.1,4.2,5.1] |  |
| * Includes full site name and accurate map highlighting specific fishing site | 3 |
| * Includes site name and map of area | 2 |
| * Includes site name OR map of area | 1 |
| **Daily tide chart** [1.3,2.1,2.3,4.2,5.1] |  |
| * Includes correct tide times and heights for location | 3 |
| * Includes tide times for location | 2 |
| * Includes inaccurate tide times for location | 1 |
| **Identify two (2) types of fish in the local area including:** [1.3,2.1,2.3,4.2,5.1]  **Common and scientific names** | ALL MARKS X 2 |
| * Correctly identifies the common and scientific name | 2 |
| * Correctly identifies the common OR scientific name | 1 |
| **Picture of the fish** |  |
| * Includes a visible and correct picture of the specified fish | 2 |
| * Includes a picture of the specified fish | 1 |
| **Size and bag limit** |  |
| * Correctly identifies the size and bag limit for the specified fish | 2 |
| * Correctly identifies the size OR bag limit for the specified fish | 1 |
| **Fishing tactics/methods** |  |
| * Identifies the bait used, rig setup and habitat/casting locations for specified fish | 4 |
| * Includes 3 correct items of the above information | 3 |
| * Includes 2 correct items of the above information | 2 |
| * Includes 1 correct item of the above information | 1 |

**Part C – Sustainable fishing report (15 Marks)**

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| **Criteria** | **Mark** |
| **Fisheries officer** [1.2,2.1,2.3,4.1,4.2] |  |
| * Describes three main roles/jobs of a fisheries officer in detail (2 marks each) * Identifies the qualifications required to obtain the job * Identifies the fisheries office on the Central Coast including location and contact details (2 marks) | 9 |
| * Lists three main roles/jobs of a fisheries officer * Identifies the qualifications required to obtain the job * Identifies the fisheries office on the Central Coast including location and contact details (2 marks) | 6 |
| * Lists three main roles/jobs of a fisheries officer * Identifies the qualifications required to obtain the job * Identifies the fisheries office on the Central Coast | 5 |
| * Lists two roles/jobs of a fisheries officer * Identifies the qualifications required to obtain the job * Identifies the fisheries office on the Central Coast | 4 |
| * Lists one job of a fisheries officer * Identifies the qualifications required to obtain the job * Identifies the fisheries office on the Central Coast | 3 |
| **Conservation techniques** [1.2,2.1,2.3,4.1,4.2] |  |
| * Identifies and describes THREE strategies used to conserve fish stocks in the local area in some detail (2 marks each) | 6 |
| * Identifies and describes TWO strategies used to conserve fish stocks in the local area in some detail | 4 |
| * Identifies and describes ONE strategy used to conserve fish stocks in the local area in some detail | 2 |
| * Identifies a strategy to conserve fish stocks (1 mark for each listed – up to 3 marks) |  |

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| **Identify two (2) types of fish in the local area including:** [1.3,2.1,2.3,4.2,5.1]  **Common and scientific names** | ALL MARKS X 2 |
| * Correctly identifies the common and scientific name | 2 |
| * Correctly identifies the common OR scientific name | 1 |
| **Picture of the fish** |  |
| * Includes a visible and correct picture of the specified fish | 2 |
| * Includes a picture of the specified fish | 1 |
| **Size and bag limit** |  |
| * Correctly identifies the size and bag limit for the specified fish | 2 |
| * Correctly identifies the size OR bag limit for the specified fish | 1 |
| **Fishing tactics/methods** |  |
| * Identifies the bait used, rig setup and habitat/casting locations for specified fish | 4 |
| * Includes 3 correct items of the above information | 3 |
| * Includes 2 correct items of the above information | 2 |
| * Includes 1 correct item of the above information | 1 |

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|  |  |
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| * Lists one job of a fisheries officer * Identifies the qualifications required to obtain the job * Identifies the fisheries office on the Central Coast | 3 |
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| * Identifies and describes TWO strategies used to conserve fish stocks in the local area in some detail | 4 |
| * Identifies and describes ONE strategy used to conserve fish stocks in the local area in some detail | 2 |
| * Identifies a strategy to conserve fish stocks (1 mark for each listed – up to 3 marks) |  |

Teacher Feedback: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_