# JUNIOR ASSESSMENT TASK – STAGE 5 Part 1 and 2

Stage 5 – Year 10	Topic: Individual Student
	Research Project
u to conduct a major project on an area of	f your choosing.
the four major disciplines of science: nce (including Marine studies)	
ollowing categories: cal concepts or idea) Tied problem) <i>to one of the above categories you must g</i>	get approval from your class teacher or
u need to hand in?) g:	
A portfolio of their project. The portfolio must be in the form of an A4 plastic display folder and submitted for approval and review at the end of term 1 as well as being submitted with the completed project. (see additional information for specific requirements) <b>DUE DATE Term 1 Week 10, Thursday 4<sup>th</sup> April</b>	
vements made from feedback given by yo s, discussion, conclusion and bibliography ave some form of display for their project. ion of these types or any other form of dis <i>ir</i> during National Science Week. Each stu pace you must speak to Mr Shea <u>esday 14<sup>th</sup> August</u>	In addition, the project must be able to This could take the form of a poster, splay. <u>Note:</u> All projects will be displayed
	the four major disciplines of science: nce (including Marine studies) ollowing categories: cal concepts or idea) ied problem) to one of the above categories you must g u need to hand in?) g: olio must be in the form of an A4 plastic d ul as being submitted with the completed <b>m 1 Week 10, Thursday 4<sup>th</sup> April</b> vements made from feedback given by you s, discussion, conclusion and bibliography ve some form of display for their project. ion of these types or any other form of dis- ir during National Science Week. Each stu- pace you must speak to Mr Shea

Date Given: Week 2 Term 1 (7 <sup>th</sup> February – 8 <sup>th</sup> February)	DUE DATES
	- Part 1 Portfolio: Week 10 Term 1 Thursday 4 <sup>th</sup> April
	<ul> <li>Part 2 Project: Week 4 Term 3 Date Wednesday 14<sup>th</sup> Aug</li> </ul>

### Outcomes to be Assessed:

## WS5.2 Students plan first-hand investigations by:

a. planning and selecting appropriate investigation methods, including fieldwork and laboratory experimentation, to collect reliable data

d. specifying the dependent and independent variables for controlled experiments

WS5.3 Students choose equipment or resources for an investigation by:

a. identifying appropriate equipment and materials

b. identifying the appropriate units to be used in collecting data

## WS6 Students conduct investigations by:

a. individually and collaboratively using appropriate investigation methods, including fieldwork and laboratory experimentation, to collect reliable data

b. safely constructing, assembling and manipulating identified equipment

f. evaluating the effectiveness of the planned procedure, considering risk factors and ethical issues, and suggesting improvements as appropriate

## WS7.2 Students analyse data and information by:

- a. analysing patterns and trends, including identifying inconsistencies in data and information
- b. describing relationships between variables
- c. assessing the validity and reliability of first-hand data
- d. using knowledge of scientific concepts to draw conclusions that are consistent with evidence

### Task Guidelines:

### You will be expected to:

- Individually complete a Scientific Research Project
- Submit a portfolio of the project in an A4 plastic display folder
- Present the project in a manner that allows it to be displayed as part of the Orange High School Science Fair

#### Penalties:

Failure to complete the task with a sustained and diligent effort or because you are absent may lead to:

- A zero mark
- The issuing of a warning letter explaining that you have not met the course learning outcomes according to the requirements of the NSW Board of Studies

**Please note:** that plagiarism, the using of the work of others without acknowledgement, will incur serious penalties and may result in zero award. Any cheating will also incur penalties.