Students are required to complete an Individual Research Project (IRP), handed out in Week 9, Term 2 and due in Week 6, Term 3. Students are expected to develop their own research problem, using their own original ideas. Evidence will be required that the final work submitted for marking is the student’s own. Students who have submitted work as their own and who have copied from the Internet, printed material or other sources may be awarded zero marks.

Each teacher has created a OneNote workbook where students are to complete their IRP.

Students are expected to follow the following timeline in order to achieve maximum marks:

- Term 2, week 9 - IRP issued. Students begin to formulate their Research Problem. Log Book commenced.
- Term 3, week 1 - Research Problem (Aim) designed and relevant research indicating how your research relates to the problem being investigated. Teacher will mark and give feedback.
- Term 3, week 2 - Method designed and recorded. Teacher to give feedback. Report should be commenced by now. Teacher will provide constructive improvements to be addressed before the final submission.
- Term 3, week 6 – Final report (and changes made) completed in OneNote. Teacher will grade the final submission.

What is an independent research project?

An independent research project requires you to think of an interesting problem or question that you can answer by doing a scientific experiment. The best types of problems allow you to gather your results in numbers (quantitative results). They can then be graphed easily. For example if you do an experiment with plants to determine which conditions they grow best in, you can get results by measuring their heights in centimetres. As an addition to your quantitative results you could also describe the results in words. These are called qualitative results.
**What project to choose**

*You can choose any project you may be interested in.* Just remember that you will need to research it (and prove your research) and that an experiment always has variables that you change to test it, and is not just demonstrating something. So, showing that putting mentos in coke will cause it to erupt, or that water will boil at 100°C is NOT an experiment. But changing a variable in these activities and seeing the effect on the coke eruption or the effect on the boiling point of water **IS** an experiment. Good luck!

If you cannot think of your own project idea, you can choose one of the following.

*How does temperature affect the solubility of substances in water.*

*How do generic products perform compared to the brand name products?*

*Which packing materials are best at protecting breakable objects.*

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**METHOD OF SUBMISSION**

As a OneNote workspace.

Dates to note are:

Term 2 Week 9: Log Book commenced.
Term 3 week 1: Aim and research recorded.
Term 3 week 2: Method designed and recorded.
Term 3 week 6: Final report completed.