

Friends of Bruny Island Quarantine Station are inviting entries from individual students, groups of students and classes for the:

2018 Science Fun Day

School Experiment / Research Design Competition.

Problem:

At the Quarantine Station (located at 816 Killora Road, North Bruny Island) we would like to know more about plastic pollution that we find on the foreshore of our two bays (Shelter and Quarantine Bays). These bays are easily accessible from the main station buildings (try google maps to get a good understanding of the Quarantine State Reserve peninsula, if you are unfamiliar with what the peninsula land looks like and where it is).

We invite students to design an experiment or research activity that will run for one year to answer these questions.

1. **How much plastic washes up on the shoreline of the Quarantine Peninsula each year?**
2. **What time of the year does it arrive?**
3. **What types of plastic wash up?**
4. **What are the sources of the plastic pollution?**
5. **Does the weather affect the plastic that arrives on the shore?**

Your design can assume that you have access to two on site adult researchers, each adult has two hours each week to act as your research assistants. They are available every week of the year.

Your design should have a cover page, aims, method and a budget. The aims can be the same or close to the 5 questions above. Your method should be in enough detail so that it is easy to follow and should describe how people would work and how they would collect and document their data. Your method should also explain why you have chosen certain activities or ideas. Your budget should consider things that may need to be bought or spent. If you need extra people include these in your budget under "People".

Please note this is a design task and we do not expect any results or conclusions!

Your experiment / research design should not be more than ten (single sided) A4 pages long and clearly state the names of your designer(s), your school and your class.

If you have any questions you can email rob_banfield@hotmail.com

Please send your entries as a printed or written document and post to **Plastic Pollution Entry Bruny Science Day, c/o P.O. Box 346, Geeveston, 7116** by Saturday **September 29th** 2018.

All entries will be displayed at the (free) Bruny Island Science Fun Day on Sunday October 14th. Judges will consider the age and groups or individuals that enter. **Prizes will be awarded by the judges and by public voting on the day (people's choice).**

Rob Banfield

For the Bruny Island Science Fun Day

