

# Environmental Action



## What to do:

1. Research a local environmental issue.
2. Consult with members of the community about the issue. This may involve a survey or questionnaire.
3. Present the data. It may be helpful to use tables or graphs.
4. Develop an action plan to help resolve the issue.
5. Explain how the action plan will help to resolve the issue.
6. Put your plan into action
7. Present your investigation and resulting action plan as a poster, report or video.
8. Keep a journal throughout the project and submit with the entry.

## What makes a winning entry?

An effective project will:

- show a clear understanding of the environmental issue
- explain how the issue was investigated scientifically and how community members were consulted
- graphically represent data e.g. tables or graphs
- set out the action plan in a clear and concise manner
- explain clearly how the action plan will resolve the issue
- demonstrate active, practical involvement in the issue at a local level
- be creative and original.

## The Reflective Journal

The reflective journal is very important in showing the purpose behind the study, and the way in which the question evolved and was tackled, as well as a record of how the work progressed

A reflective journal should

- keep a record of what was completed throughout the project. It should contain evidence of scientific thought to help the student make sense of their science learning.
- The journal may be typed or handwritten and scanned for electronic entry submission.
- Contain accurate and detailed notes of any findings, decisions and thought processes assist the project in becoming a winning entry.
- acknowledge any assistance received.

**3-5min video (max file size 1G, format .mp4 .avi or .mov)**

All video should be clearly audible and easy to watch. The film technique will not be judged, however judges need to gain an understanding of your project.

## Some ideas to get you started

- Develop a plan for your school to reduce litter
- Develop a plan for managing weeds at the local creek
- Develop a plan for less students to use cars to get to school
- Develop a plan for your school/community group to use less electricity/water

# Judging Criteria

## ENVIRONMENTAL ACTION PROJECT

		5	4	3	2	1	0
		Exceed expectations of student's learning level	Evident and appropriate to learning level				Not Evident
<b>Process</b>	Choice of Topic	Identification of a problem that can be investigated scientifically and creating plausible aims for the project					
		Informed explanation of the problem and its significance linking to background research					
		Description of how project fits into a wider scientific context					
	Plan of the Project	Planning of investigation					
		Identifies and describes a fair process for consulting community members					
		Identifies and describes how the consultation will be done to minimise any bias					
	Messaging	Summarising data using graphs, tables and other representations, appropriate use of mathematics, scientific language and Imagery, description of trends and relationships					
		Clear and concise action plan, drawing on relevant evidence to support action plan					
	Findings and Conclusions	Coherent explanation of how the action plan addresses the problem and aims for the project					
		Identification of the limitations of the action plan					
<b>Science Focus</b>	Validity						
	Understanding						
<b>Evidence of ownership</b>	Creative	Demonstrates and original and creative approach to solving the problem showing ingenuity/originality					
		Acknowledges resources used (including reference materials, books, websites etc. and assistance from other people).					
	Evidence	Permission to use copyrighted material where applicable					
		Has provided detailed evidence of work (such as draft, workings and/or notes) ensuring the product or device is a true representation of the student's learning and understanding.					
<b>TOTAL</b>							