

## Case Studies

### Mosquito Creek Biodiversity Project

Primary Years

Middle Years

### Eastern Fleurieu School – Langhorne Creek Campus

Partners: Waterwatch  
Langhorne Creek Community  
Goolwa-Wellington Local Action Plan  
Angas-Bremer Water Management Committee  
Alexandrina Council  
Numerous financial partners

#### Aims:

- Restore Mosquito Creek Reserve and Gollan's Waterhole from a barren sheep grazing site to a successful model of biodiversity
- Revegetate through student and community input
- Restore waterhole to have permanent water. Monitor water quality by students via Waterwatch
- Educate and celebrate achievements via interpretative shelter/bird hide and community arts project
- Promote as model of collaborative efforts towards successful environmental outcomes
- Continue to manage and develop beyond the 15 years.

Note: " The project description above is very brief and doesn't give justice to the involvement of students, the thinking that has gone into aspects of the project and the outcomes achieved"

The project has "links with a range of programs within our FUTURES EDUCATION priority with particular focus on ecological sustainability"

"Direct link with our native fauna enclosure and tree propagation/community revegetation programs"

It also "links with our environmental arts murals"

"Broader links to alternative energy (PV Solar Power) program through benefit to reducing greenhouse gases"

The success of the program is determined by

- Student interest, enjoyment and active participation
- Level of increased community involvement
- Being valued by River Murray Catchment Water Management Board through award for Education
- Level of promotion by Waterwatch Coordinator
- Developing over 15 years

Links between classroom work and environmental project

“The Mosquito Creek Reserve is the on-ground site for work but linking activities occur at the campus and in classes. The whole campus only visits 1 - 2 times per year at this stage with Student Environment Committee having more visits. Most work is done in classes with a real life context to link with.”

Environmental Reporting Themes and Issues for this project

Themes

Issues

Atmosphere



- Climate Change

Biodiversity



- Threatened Species
- Native Vegetation

Inland Waters



- Water Quality
- Rivers, Streams and Wetlands
- River Murray

## Heritage



- Heritage

## Environmental Reporting Themes and Issues for this project

- Arts
- Design and Technology
- Mathematics
- Science
- Society and Environment

## Elements of the Essential Learnings that your project develops

- |                 |   |
|-----------------|---|
| Futures         | <ul style="list-style-type: none"><li>• Learners developing an understanding of patterns and connections within systems</li><li>• Learners building scenarios of preferred futures</li></ul>  |
| Interdependence | <ul style="list-style-type: none"><li>• Learners coming to an understanding of what is needed for sustainable social and physical environments</li><li>• Learners cooperating to achieve agreed outcomes</li><li>• Learners acting to benefit their communities</li></ul>               |
| Thinking        | <ul style="list-style-type: none"><li>• Learners developing enterprising and creative solutions for contemporary issues</li></ul>   |
| Communication   | <ul style="list-style-type: none"><li>• Learners having the ability to make effective use of language, mathematical information and the tools of information and communications technology</li><li>• Learners being able to effectively use communication in a range of modes</li></ul> |