

# Itinerary

## Sustainable Design: Years 11-12



*Toohey Forest*  
**Environmental  
Education  
Centre**

### Learning Goals:

- **Recognise** the economic, social and ecological impact of sustainable design on the wellbeing of humans
- **Identify** sustainable design features utilised within the EcoCentre building
- **Evaluate** the effectiveness of these features in meeting the stakeholders brief
- **Recommend** opportunities for the redesign of the EcoCentre to better meet the needs and wants of current users
- **Justify** the design solutions and the benefits to the stakeholders

### Inspiring Science Beyond the Classroom

Time	Activity
9.30 – 9.40 (10 mins)	<b>Introduction to program and facilities</b>
9.40 – 10.05 (25 mins)	What is Sustainable Design? <i>Ecological, social and economic considerations</i>
10.05 – 11.05 (60 mins)	<b>EcoCentre Building Tour:</b> Investigate and record sustainable features of the building
11.05 – 11.30 (25 mins)	<b>First Break</b>
11.30 – 1.00 (1hr 30mins)	<b>Small group activity:</b> Design and build a sustainable home to a budget
1.00 – 1.20 (20 mins)	<b>Second Break</b>
1.20 – 1.40 (20 mins)	Sir Samuel Griffith Building Review (6 star green rated sustainable building)
1.40 – 2.20 (40 mins)	<b>Small group activity:</b> EcoCentre Redesign Activity
2.20 – 2.30 (10 mins)	<b>Farewell and Departure</b>

### Students will need:

- Covered footwear
- Sun safe clothing and hat
- Sunscreen and insect repellent already applied
- Water Bottle
- Morning Tea and Lunch
- Field booklet, Clipboard, Pencil

### Litter Free Lunch

We encourage students and staff to pack a litter free lunch. A litter free lunch contains no throwaway packaging. Everything in it can either be re-used, composted or recycled. Therefore food is brought in re-usable containers rather than disposable plastic wrap. Drinks are brought in refillable plastic bottles. Pre-packaged foods are discouraged.

