

Material Technologies - Graphics

A program to support Stage 4 Technology Mandatory

OBSERVAT
ENVIRONMENTAL EDUCATION CENTRE

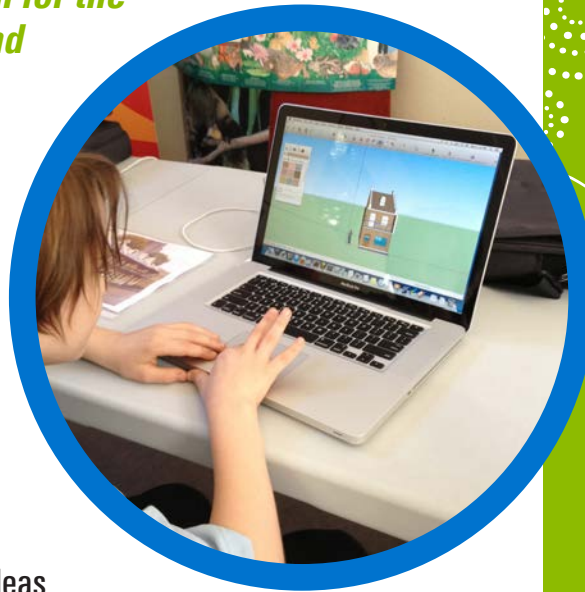


RY HILL

'Material Technologies – Graphics is a program that supports the Stage 4 Technology (Mandatory) Syllabus. The program supports a design project focusing on using graphics and multimedia to develop a design solution for the redevelopment of a derelict building and repurpose it for a new community use'.

Students will visit study sites in The Rocks and Millers Point to:

- ☀ Describe factors influencing design in the built environment;
- ☀ Plan and manage the production of a design solution;
- ☀ Apply design processes that respond to needs and opportunities in a design project
- ☀ Generate and communicate creative design ideas and solutions.



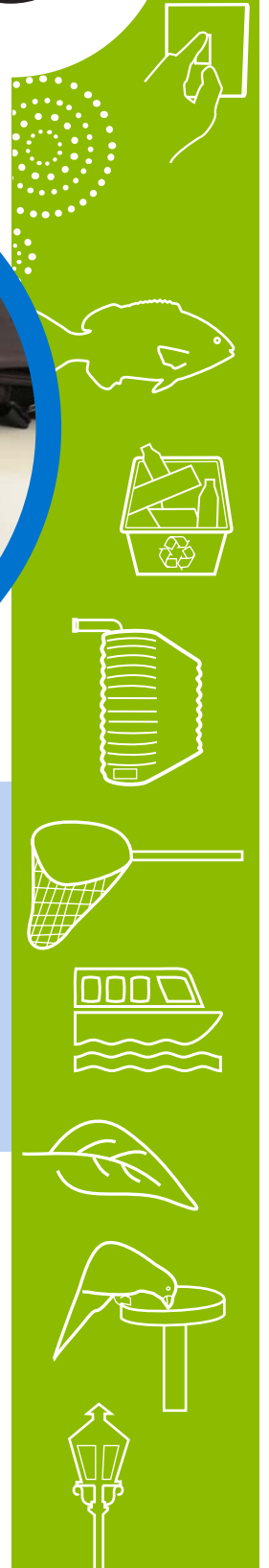
Integrating the **'Sustainability'** cross curriculum priority is a feature of the program.

The program has three main components:

1. **Introductory activities and web based resources to introduce the students to the program.**
2. **A full day fieldwork excursion in The Rocks and Millers Point**
3. **Follow up activities to enhance Technology skills.**

During the full day fieldwork excursion, students will:

- ☀ **Visit two adaptively reused heritage buildings and identify design considerations;**
- ☀ **View a presentation on sustainable building design and watch a demonstration of a sustainable house model;**
- ☀ **Develop a concept plan to address a design brief;**
- ☀ **Use a Google Sketchup and a Home Design app on iPads to begin developing 2D and 3D models of their designs.**



Education
Public Schools

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Cost: From \$9 per student

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For more information about this program and other environmental education programs, visit the Observatory Hill EEC website at:

<http://observatoryhilleec.schools.nsw.gov.au/secondary-programs>



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