



Mount Maunganui College





Mount Maunganui College

- Situated in the Bay of Plenty in an enviable physical environment.
- Co-educational, decile 4 school with approximately 1150 students.
- New Technology facilities opened in 2000.
- Students have the opportunity to participate in a range of subject areas, sporting and cultures activities.

Technology Courses

Junior School

- **Year 9** – Choose at least one technology course for two terms (max 2) from – Computing, Food, Hard and Soft Materials.
- **Year 10** – two options for whole year. Not compulsory to choose a technology course.



Technology Courses

Senior School

- **Year 11**
 - Metal, Wood or Soft materials.
- **Year 12**
 - Hard or Soft materials.
- **Year 13**
 - Soft materials.





Aims of MMC Beacon Practice

- An increased awareness by senior management and Board of Trustees of the role of technology education within the school environment
- Promote a broader view of Technology Education and move away from the isolated traditional materials based teaching of technology.

- Introduce the use of outside technologists, experts and expose students to the wider career possibilities.
- Expose staff and students to actual practice by developing a conceptual design for the school environment – something that the wider school community can make a contribution to.
- Build on teacher knowledge and allow for reflection on current technology education practice.

Practice for 2005

- The proposed project was presented to Year 13 students to develop a conceptual design to improve and enhance a space within the school environment for the benefit of the students and staff. Students applied to be involved.
- Interview and discussion with the Principal to identify the opportunity to develop a conceptual design for the area in front of the school canteen and career rooms. This area is unattractive and under used by students. Plans (and fundraising) are presently underway to build a new school canteen.

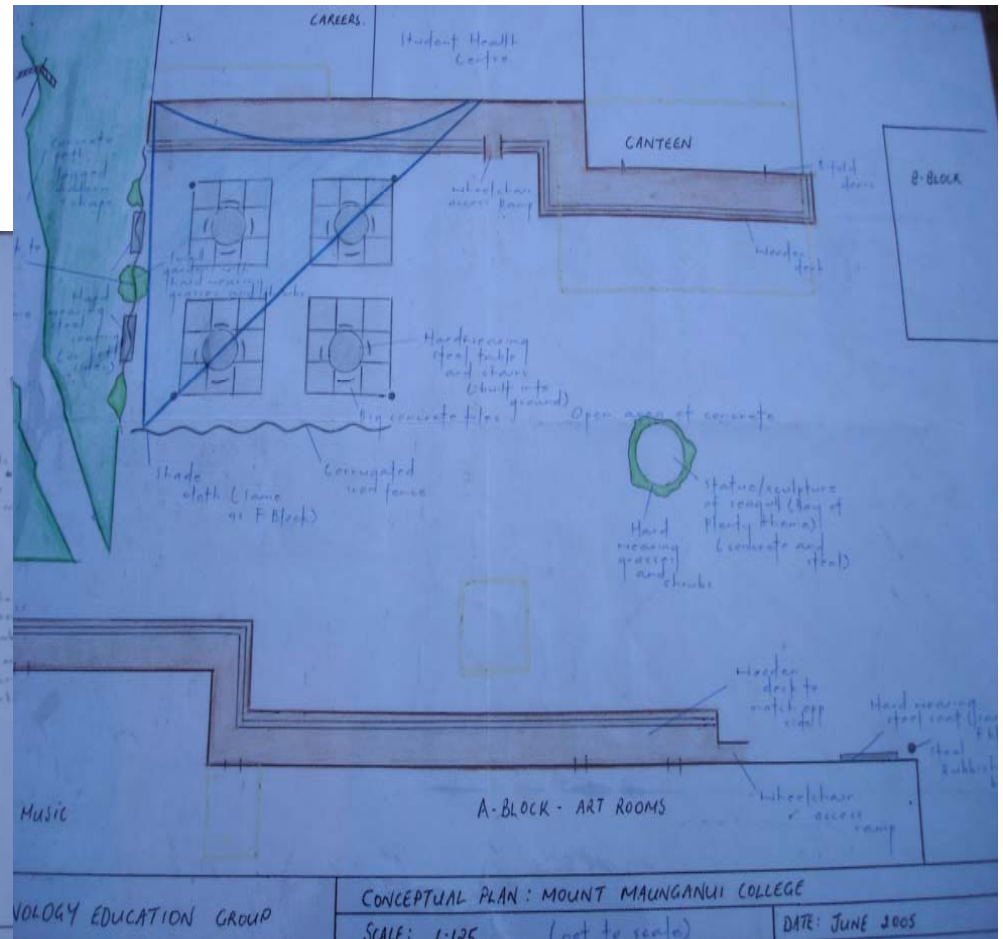
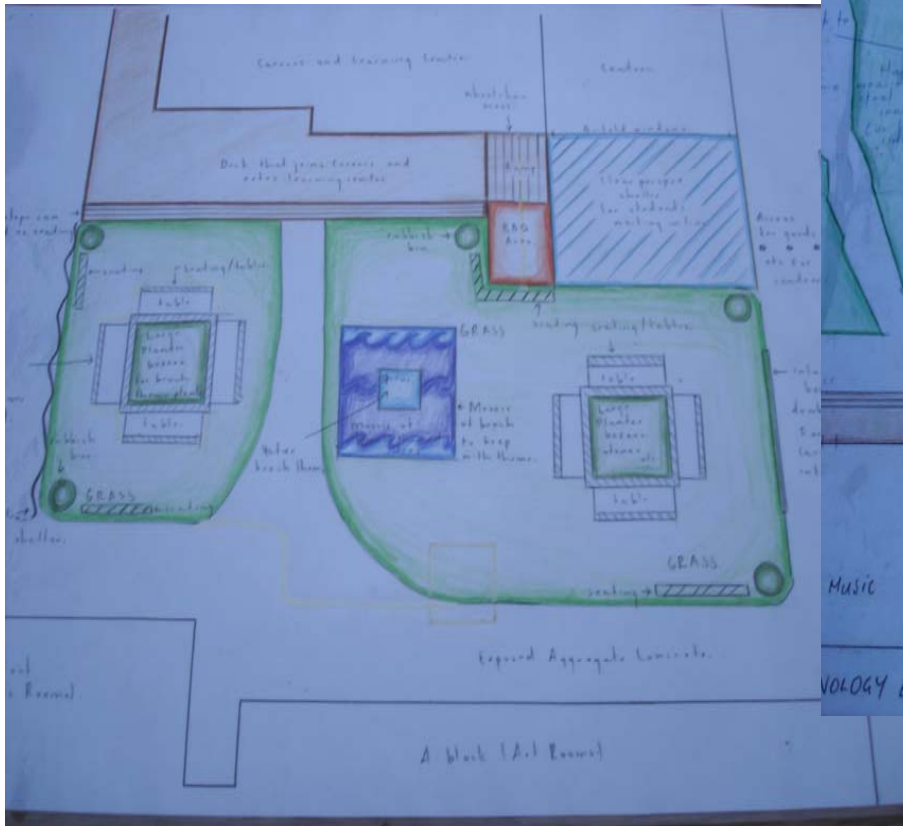
The Area



- The group of nine Year 13 students operated outside the school's timetable with the liaison teacher for 1-2 hours per week. Students planned the project timeline and identified key tasks and resources required.
- Consultation with interested groups within the school community such as students, staff (teaching, ancillary, maintenance/grounds, canteen) conducted throughout the project.

- Meeting with BOT to outline Technology Beacon project aims and student involvement.
- Research and development of ideas using student knowledge base, experts within the school environment and local industry contacts such as the TCC Planning Officer and Landscape Architect.
- Conceptual designs developed, displayed at subject pathways and open evenings to consult with parents and wider community.

Conceptual designs



- Proposal for new Level 3 course in Technology presented to Academic Council for 2006.
- As part of their course the Level 2 Hard Materials course are presently involved in developing a conceptual design for an outside garden feature as part of the project
- Presentation of final conceptual design of area to BOT, and staff in term 4.

Design Development





Benefits to students involved

- Opportunity to be involved in a team project.
- Opportunity to interact with senior management, staff (both teaching and property maintenance) and industry experts.
- Broaden their view of technology education.
- Insight into career options.
- Opportunity to give something back to the school.
- Level 2 Hard Materials students able to have an authentic issue to solve for their technology course.
- Increased confidence and self management skills.



Outcomes

- Working and building relationships with outside experts.
- Opportunity to work with a range of people within the school environment.
- Team building skills with students and staff.
- Enhanced view of Technology Education by senior management and BOT.
- Exposure of school environment to actual practice.
- Improved teacher confidence and knowledge to improve on current practice.

Where to in 2006?

- Timetabled Level 3 Technology course.
- Development of additional resources, student guidelines, assessment schedules etc for students and staff.
- Team teaching within department to improve teacher capability and involvement.
- Further development of the school environment started in 2005, within student projects.
- Development of additional contacts with local industry experts to develop a range of outcomes eg Architect, kitchen designers, interior designers etc.
- Investigation re possible involvement in CREST and Neighbourhood Engineers programs/awards.