

Wanted: Design Problems!

Queen's Engineering students partner with community groups to solve design problems



Queen's first year engineering students executing the testing stage of their design.

We invite local community members, agencies, and university groups to propose real-world projects in partnership with Queen's Faculty of Engineering and Applied Science. Our first-year engineering students develop critical skills by working on design projects, so we are always looking for interesting problems to solve! Community members who partner with us benefit from the skills and energy of our students.

These partnership projects are supported by professors from all engineering disciplines, librarians, and technical staff. Student teams have a small budget for materials and services.

Agencies we have partnered with in the past include:

- Kingston Scout Museum
- St. Mary's Hospital
- Wendy's Mobile Market
- Kingston Marine Museum
- Defence Construction Canada
- The Ryan Outdoor Center
- Living Cities Company
- Revved Up Kingston
- Queen's Project on International Development (QPID)
- Crowe Valley Conservation Authority
- Dr. Lindsay Davidson

We will be developing new projects over the summer of 2011, so if you have a project that you would like to propose, or would like more details, please contact the coordinator, Professor Brian Frank or Tian Lu.

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Solar charging device created by first year engineers for a laptop used in developing countries.

"This course gave us a chance to experience what working as an engineer is really like. It put into perspective the types of situations that we have to look forward to upon graduation."

~ Student

"Just a quick note to say how much I enjoyed meeting your student project teams last night at Queens. I had a blast and was most impressed with the intuition, interest and thoroughness with which the students delved into my particular challenge. They were all very personable and I am most grateful at having the opportunity to participate and the efforts you will all make on my behalf."

~ Community partner

<http://appsci.queensu.ca/courses/APSC100/community/>