Objective:
Design and build an electric motor.

Equipment Provided:
1. 1 C battery
2. A battery holder
3. Two yards of magnetic 22 gauge wire
4. One yard of regular 18-20 gauge wire
5. 2 paper clips
6. Scotch tape
7. One rubber band
8. 2 magnets
9. Sandpaper
10. Permanent Pen (Fat Sharpee type)

Goal:
Motor will be judged by:
• Maximum RPM
• Innovative methods of construction, coil switching (communication), or magnet placement
• Construction quality
• Or, most amazing catastrophic failure
• Speed that motor is built

Rules:
• You may not design the motor to fail catastrophically (sorry).
• Entries will be tested and judged by the UH branch of the IEEE.
• Preparation and building will be limited to 30 minutes during the competition.
• The motor may be started up by hand.
• Maximum of 1 entry per team.
• The motor can only be built by the materials provided (listed above).

(If you have any questions, please send an e-mail to expo@wiliki.eng.hawaii.edu)