Title: Cup Warmer

Overview: A cup warmer that is laptop/desktop powered.

Description: A cup warmer that is powered by USB cable and heats through heat generated by a microprocessor. The cup warmer can be turned on and off.

Candidate Technologies:

Single Board Computer = Raspberry Pi

Microcontroller = Arduino Uno

Electronic Equipment = Resistors, Soldering Kit, USB Cable, Old Microprocessor, Bread Board, LED pins (red & green).

Practical Skills/Domains:

Programming (fundamentals), soldering, Physics, computer architecture, digital electronics.