

Thermos STEM Challenge



Problem

Build a device that will hold in
as much heat as possible!

Materials

- 1 Paper plate
- Scissors
- 1 meter of tape
- 2 foil sheets
- 5 cotton balls
- 2 paper towels
- 1 sheet of newspaper
- 1 styrofoam cup

Criteria
(Requirements)

- Must have a **lid** that is easy to come off
- Designs must hold 100 mL of hot water.

Constraints
(limitations)

- You can only use the materials provided
- You only have 45 minutes to design and build your device.
- Must be 40 cm tall or shorter!

Engineering Design Process

