

MAKER JOURNAL

Name: _____

Date: _____

Project/Unit: Design a Weather Instrument

Lesson: Design Challenge, Ideate

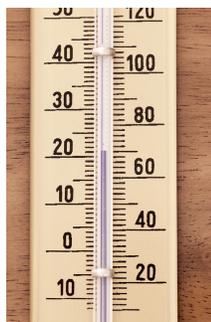
Thermometer

How it works	Liquids take up less space when they are cold, and more space as they get warmer. The liquid in the tube of a thermometer rises when it gets warmer because it needs more space.
Criteria & Constraints	Liquid rises/falls with increase/decrease in temperature.
Tips	The tube should be connected to the container of your thermometer with no gaps. Some glue, tape, or putty can help fill any small spaces.
Material Suggestions	Very thin pipette (1mL) Sealable container

Film canister thermometer:



Mercury thermometer



Draw your thermometer design:

What materials will you need?

How will you measure when liquid rises or drops?

