



@ HOME SCIENCE DISCOVERY MISSIONS – HOMEMADE **THERMOMETER**

What Do We Need?

- Mason jar with a straw lid
- Clear straw
- Playdough or modelling clay
- Water
- Rubbing alcohol
- Cooking oil (any kind)
- Red food coloring

Protocol

- 1. Add red food coloring, 1/4 cup water, 1/4 cup alcohol and a
- 2. Stick the straw through the straw hole and tighten the lid onto the jar.
- 3. Mould a piece of playdough on the lid around the straw, which
- 4. Place your DIY thermometer outside in the cold or in the fridge and inside the house and look at the difference in how high the liquid rises in the straw in different temperatures.

YOUR MISSION REPORT

- Measure the temperature in different rooms was it
- -How does a homemade thermometer work?
- -How can you make a homemade thermometer without alcohol?



Learn more!

Vídeo here:

https://www.youtube.com/w atch?v=1LOk1XzbPxg



Student feedback - How did you like this mission?













 \square not at all

□not much

 \square a bit

☐ liked it

 \square liked it a lot \square liked it best

Family feedback - How did you like this mission?













 \square not at all

□not much

□ a bit

☐ liked it

 \square liked it a lot \square liked it best

Did you use the 'Learn more!' resources?

☐ Yes

☐ No

What was good/bad about this mission?

