

@ HOME SCIENCE DISCOVERY MISSIONS – HOMEMADE THERMOMETER



Protocol

1. Add red food coloring, 1/4 cup water, 1/4 cup alcohol and a tablespoon of oil into a mason jar and mix.
2. Stick the straw through the straw hole and tighten the lid onto the jar.
3. Mold a piece of playdough on the lid around the straw, which will hold the straw about 1/2" from the bottom of the jar.
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.

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



YOUR MISSION REPORT

-First of all, we thought about what project we want to do. And we chose this one because we never tried to do that.
 -I started looking for information on what do I need and how to do that project.
 - With all that information we have done that project and I had a really good time with my family doing that. My family also liked this project.
 -And now I know how to make a homemade thermometer.



Did you know?
 That the hottest temperature ever recorded on earth is 57.8 °C (136 °F) in Libya.



Lithuania 8th

Student feedback - How did you like this mission?

- not at all
 not much
 a bit
 liked it
 liked it a lot
 liked it best

Family feedback - How did you like this mission?

- not at all
 not much
 a bit
 liked it
 liked it a lot
 liked it best

Did you use the 'Learn more!' resources? Yes No

What was good/bad about this mission?
 It was fun activity to spend time with my family and try that.