

## LET'S TALK SCIENCE – GASES ENGINEERING CHALLENGE.

Design a device that will prevent a balloon full of air from deflating in a cold temperature location (outside, or in your freezer).

Watch the video for the instructions, or check out the PowerPoint if you need to look back for step by step instructions.

Answer the concluding questions:

1. Reflect & Explain:
  - a) Can you make your device with **less materials**? Explain why or why not.
  - b) Would you **change any of the materials** you chose if you could do it over again? Choose at least one, and explain your choice.

2. Predict & Test:

What happens if you try keeping the balloons in the freezer for a longer period of time? Explain why.

3. Controls:

Are there more controls or limitations you could add to make this more specific and/or challenging? List some and explain the potential impact.