

Exploring Properties—Heat Transfer

MAKE ACTIVITIES OPEN-ENDED WITH NO “RIGHT” ANSWERS

- Encourage visitors to try cutting the ice with **other materials**, like a pen or dental floss. Have them test these materials out side-by-side with the graphene to compare how the ice behaves.
- Encourage visitors to try the thermal conductivity **experiment at home**. They can try the same set-up with other materials like a copper pot or Styrofoam to compare the thermal conductivity of these different materials.

Plan ahead: You’ll need extra materials such as pens, dental floss, or rocks for this extension at the museum.

TELL A STORY

- Tell visitors a story (real or made up) when you were **surprised by heat transfer**. Stories could include freezing at a sports game because of the metal bleachers or getting your tongue stuck on a metal pole. Ask visitors when they’ve experienced something similar, prompting them with examples from the “Notes to the Presenter” section of the Exploring Properties—Heat Transfer activity guide.