

# Sample Family Fun Activity

Each of our Field Videos has an associated Family Fun Activity. They are a great way to extend the Go<sub>2</sub>Science adventure! These activities build many skills, but are not specifically tied to standards.

These activities are perfect for:

- engaging the whole family in hands-on enrichment;
- supplementing your child's school program;
- bringing science & global education to your homeschool program;
- providing supplemental classroom activities when you don't need to meet specific standards; and
- extending your child's school Go<sub>2</sub>Science experience.

The attached Family Fun Activity is from Mission: Dinosaur in Wyoming.



### Activity Overview

It can be hot in Wyoming! Beth and Curtis wear hats, light weight clothing, and sunscreen to protect themselves. Your challenge is to build a structure



that will provide some protection from the sun so an ice cube melts slower.

### Materials Needed

- Uniformly sized ice cubes
- Paper towels (cut into squares and marked with concentric circles using **washable markers**)
- Building materials such as:
  - cardboard, colored paper, paper plates
  - plastic wrap, wax paper, tin foil
  - popsicle sticks, pencils, straws
  - Raid the recycling bin for more!
- Joining materials such as:
  - glue, tape, binder clips
- Scissors
- Sunny windowsill, sunny outside area, or lamp with an incandescent bulb
- Set-up Guide (provided)

### Main Event

1. Gather materials and build one or more structures that will shade an ice cube, and slow its melting as much as possible. Be sure to make it large enough to hold one of the marked squares of paper towel.
2. When your structures are complete, put them in a sunny place. Position a marked paper towel inside each structure. Put another marked paper towel near the structures, but in full sun.
3. Next, position an ice cube in the center circle of each paper towel and watch what happens! Which ice cube melts fastest and reaches the outer ring first? Which melts slowest and reaches the outer ring last?
4. Why do you think your best design was so effective?

### More Fun!

Use melting ice to create art! Draw on paper towels or coffee filters with washable markers. Then place an ice cube on their drawing to change the image. Move your ice cube from time to time, or add a second cube to achieve the artistic effects you desire. Lay art flat to dry, or hang it up to create even more changes!



# Set-up Guide



The materials for this lesson are extremely flexible. Raid your recycling bin for bits of cardboard, old containers, pie pans, yogurt cups...whatever! You'll also need something to join things together (e.g., staples, glue, tape, play dough, string, etc.).

