MYTEK LAB

technology • education • knowledge

CERTIFICATE OF ACHIEVEMENT

LEARNING KIT COMPLETION

This certifies that

Your Name

SAMPLE

has completed every step of the learning kit

Keep a Cube

Physical science and engineering

Stephen Souders

MYTEK LAB

MYTEK LAB

★

LEARNING KIT

2026

November 15, 2026

DATE COMPLETED

MYTEK LAB
technology • education • knowledge

STEPS COMPLETED

Certificate SAMPLE

LEARNER

Your Name

SUBJECT

Physical science and engineering

Each step below was done with the kit **Keep a Cube**, finished November 15, 2026.

- ✓ Step 1: Guess, then test the empty box
- ✓ Step 2: What touches the ice
- ✓ Step 3: A goal and a budget
- ✓ Step 4: Swap the job
- ✓ Step 5: Build it for real
- ✓ Step 6: Keep a house warm, then explain it

SAMPLE

For the parent or teacher

Sign here when you have seen the work.

PARENT OR TEACHER SIGNATURE

DATE

MY WORK

Your Name: Keep a Cube

Tests I ran	9
Most ice I kept, in grams	28.3
What that box cost, in play dollars	0.25
How my best box kept the ice frozen, in my words	Energy moves from the warmer room into the cooler ice. The batting and crumpled paper trap still air, which slows it down.
Step 1. Your guess, and how many grams were really left.	(what the learner wrote)
Step 1. Were you close? Did the box help as much as you expected?	(what the learner wrote)
Step 2. Grams left with the wrap, and with the wrap and the packing.	(what the learner wrote)
Step 2. Which change made the bigger difference?	(what the learner wrote)
Step 3. Your criteria and constraints, as one sentence.	(what the learner wrote)
Step 3. The test that met them: what was in it, how many grams were left, and what it cost.	(what the learner wrote)
Step 4. The jar's temperature at the end of each test, and what you changed.	(what the learner wrote)
Step 4. Did the best ice box also keep the jar warmest?	(what the learner wrote)
Step 5. The cube's weight before and after, and the app's prediction for the same build.	(what the learner wrote)
Step 5. Two reasons the real box might have been different from the app.	(what the learner wrote)
Step 6. Your explanation, in your own words.	(what the learner wrote)
Step 6. The inside temperature of the house in each test, and what you changed.	(what the learner wrote)