



MathPacks tips for chaperones

Capturing Light provides student problem-solving activities.

Student roles:

- Think about and discuss solving the problem with each other.
- Develop a strategy with their group.
- Choose the appropriate tools.
- Compare their answers with other groups.
- Reflect: “How reasonable is my answer?”

Your job:

Ask-

- “Does it matter where you place your measuring instrument?”
- “What units are you using?”
- “Are some tools better than others for this task?”

Encourage-

- “Good thinking.”
- “How did you figure that out?”
- “Your group is really working well together.”
- “Are all of these words familiar?”
- “What part don’t you understand?”

3 to 5 students will use each backpack. Encourage your group to look through the backpack to find all of the materials:

- pencil
- clipboard
- Toolkit bag with tape measures, rulers, calculator, stopwatch
- vinyl envelope with filters
- Task cards There are 4 task cards in each backpack

The task assignments are **LEADERS** for the tasks; students do not accomplish the task alone. Students should switch roles once.

Recorder

Read directions and record data on teacher-provided pages.

Equipment Handler

Choose appropriate materials from the backpack.

Measurement Master

Make sure all group members use measurement materials.

Location Expert/Navigator will locate the spot for the activity



MathPacks tips for chaperones

When other MathPacks exhibits are busy, direct students to the Light section of the Experiment Gallery to explore characteristics of light. Take about 10 minutes, then discuss what the group learned about light from the exhibits.



Capturing Light