# Shade Test Lab

Children build a paper shade and record two sunlight tests.

**K.8** "Design, construct, and test a device to reduce the effects of sunlight."

NAME _____ DATE _____

Teacher: this page is run aloud. The script and answers are on the guide page.

## 1 PLAN IT

a

| clip | pencil | paper |
|---|---|---|

b

| light | noise | smell |
|---|---|---|

## 2 TEST IT

| | |
|---|---|
| 1 | |
| 2 | |

**ANSWER KEY**

# Shade Test Lab



### HOW TO RUN THIS PAGE

Provide one extra sheet of paper per child and use a sunny window or an outdoor spot. Read the prompts aloud, then watch each child choose how to make a shade, build it, test it over a hand, change it, and test again. Record any adult help separately from the child's marks.

Students never read directions on this sheet. Read each part's script aloud, then each prompt, giving think time before students mark.

### PART 1 · PLAN IT

**SAY** "You will make a shade for your hand. Listen to each question and circle one word."

| ROW | SAY | STUDENTS CIRCLE |
|---|---|---|
| a | Which thing can you fold into a shade big enough for your hand: a clip, a pencil, or paper? Circle one word. | **paper** |
| b | What should you check to see if your shade works: light, noise, or smell? Circle one word. | **light** |

### PART 2 · TEST IT

**SAY** "Put your hand in sunlight. Fold or hold your extra paper to make a shade over your hand. Does sunlight touch any part of your hand? Write Y for yes or N for no in box 1. Change how your shade is folded or held, test it again, and write Y or N in box 2."

- Box 1 (beside 1): **Y if sunlight touches any part of the hand during the first test; otherwise N.**
- Box 2 (beside 2): **Y if sunlight touches any part of the hand during the second test; otherwise N.**

### WHAT TO ACCEPT

The circle answers are paper and light. For each test box, accept Y or N when it matches what the child observed; watch for the child to build, change, and retest the shade.