

Responding to Patterns of Change

Materials List

Chapter 4, Making Decisions to Solve Problems

Engage Materials

none

Explore Materials

For the demonstration:

- 1 copy of Master 4-1, *Model House, Part 1*
- 1 copy of Master 4-2, *Model House, Part 2*
- 1 copy of Master 4-3, *Wind Scale Design*
- 1 cereal box partially filled with rocks or gravel, or 1 piece of cardboard taped to a ring stand
- 1 large paper clip
- 1 piece of paper
- transparent tape
- glue (optional)
- 1 box fan or blow dryer

For the entire class:

- 1 box fan or blow dryer
- 1 wind scale mounted on a box

For the class supply store:

- 1 roll of transparent tape
- 20–30 sheets of white paper, 8.5 × 11 in.
- 10 sheets of construction paper, 9 × 12 in.
- 40 index cards, 3 × 5 in.
- 1 box of toothpicks
- 10 bottles of glue or glue sticks
- 40 washers (weights)
- 1 stick of modeling clay

For each team of 3 students:

- 1 empty cereal box
- 1 metric ruler
- scissors
- 30 plastic tokens

Explain Materials

For each student:

pens or pencils of different colors

Elaborate Materials

For each team of 3 students:

1 common object that solves a technological problem (see Advance Preparation)

Evaluate Materials

none