

# Rate of Change and Slope

## ***English Learner Instructional Strategy***

### **Vocabulary Support: Make Connections**

Take students to different sets of staircases inside or outside of the school. Distribute tape measures to pairs of students and ask them to measure the height and depth of two steps from each staircase. Upon returning to class, connect the height of the steps to the term *rise* and the depth of the steps to the term *run*. Prompt students by asking *Where have you walked up steps that have been really steep or really flat? What made them steep/flat?* Explain that the height and depth of each step, or the rate of change from step to step, determine the slope of the steps.

Display the words *rate of change* and *slope* and their formal definitions on the board. Ask students to calculate the slope of the stairs to connect the definitions to the activity.

### **English Language Development Leveled Activities**

NAME \_\_\_\_\_ DATE \_\_\_\_\_ PERIOD \_\_\_\_\_

Word Card

