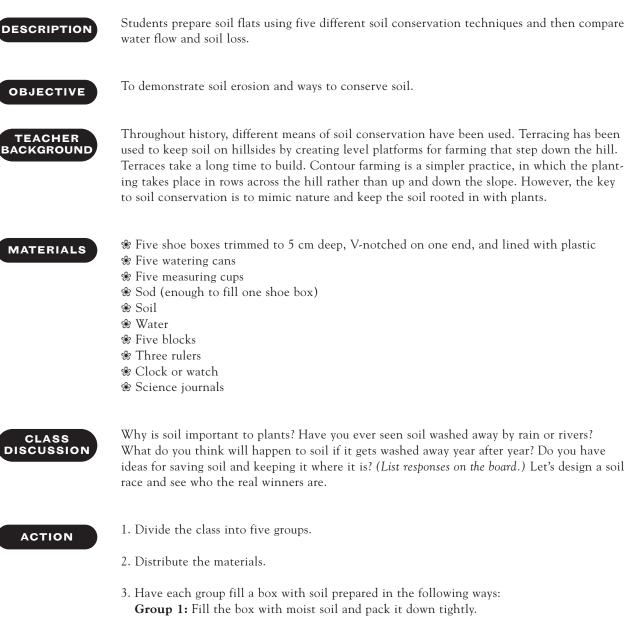
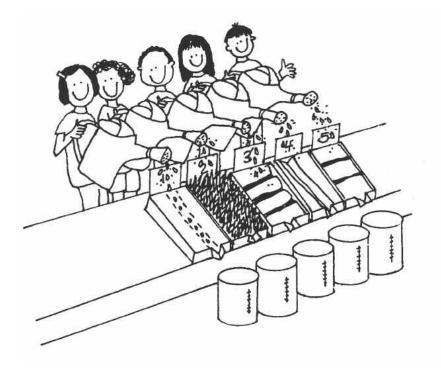
OUTDOORS & GRADES 5-6 & FALL, WINTER, SPRING & ACTIVITY A Day at the Races



- **Group 2:** Fill the box with sod.
- Group 3: Fill box with moist soil and, using fingers, make packed furrows across the slope. (Furrows run the width of the box.)

- **Group 4:** Fill the box with moist soil and, using fingers, make furrows up and down the slope. (Furrows run the length of the box.)
- Group 5: Fill the box with soil and, using a ruler, make steps (terraces) across the slope. If other ideas were suggested during discussion, another group can be added to test the ideas.
- 4. Have each group use the blocks to line up their boxes on an incline and place measuring cups beneath the V-notches to catch the water that drains off.
- 5. Have one student from each group sprinkle a measured amount of water from about 12 inches (30 cm) above each box, pouring steadily for 5 seconds.
- 6. Have groups record in their journals how long water continues to flow out of the V-notch.
- 7. Let the water in the cups settle and have groups measure the sediment in each, recording the results in their journals.



## WRAP UP

Discuss which box lost the most soil. Which lost the most water? Which methods were most effective in controlling erosion in the experiment? What other methods might help conserve the soil?

## DIGGING DEEPER

Have students walk around school grounds and identify evidence of soil erosion. How can it be prevented?