

LESSON: Cricket Thermometer**Grade Level: K****OBJECTIVES:**

Students will:

- Observe nature and discover one of its mysteries
- Learn how math is a part of the natural world
- Relate this mystery to themselves and how they too are special

MATERIALS:

A chirping cricket; a small box to hold the cricket; the following website for teacher's use <http://www.dartmouth.edu/~genchem/0102/spring/6winn/cricket.html>, and the book, *Chirping Crickets* by Melvin Berger

PRESENTATION:

Read the book, *Chirping Crickets* to students. Explain that crickets have a special secret—they can give us an idea of what the temperature is.

DIRECTIONS:

1. Have students get very quiet, so they can hear the cricket chirping.
2. When the chirping begins, count the number of chirps the cricket makes in a 13-second period and add 40. This should give you the temperature of the air.
3. Talk with students about what they've learned. Ask: Do you ever feel mysterious? Why? Do you feel like others do not know what's special about you? Do you want them to know?

TIME: 30 minutes**PROCESSING THROUGH THE SIX PILLARS:**

Lesson: Cricket Thermometer

WHAT

- What is the special secret of the cricket?
- Now that we know the cricket's secret, how will we respect the cricket's secret?

SO WHAT

- Do you have a special interest or talent?
- Do you feel like other kids do not know what is special about you?
- Do you want them to know?

NOW WHAT

- Once we know something special about someone, just like the cricket, how do we show respect for them as a special person? (Golden Rule)