

Activity 1 What You Need For the class: $\ \square$ 4 wide-tipped felt markers, in black, blue, and two other colors an overhead projector ☐ several blank overhead transparencies overhead transparency pens in several colors ☐ 1 large (about 3' x 4') piece of white butcher or chart paper For each student: □ an 8 ½" x 11" piece of cardboard or manila folder 2 small binder clips or large paper clips pencil \Box an 8 ½" x 11" student map of study site (made by the teacher; see "Getting Ready")* a journal or lined paper to become part of a journal Activity 2 What You Need For the class: ☐ the large map of the site (made in Activity 1) ☐ a wide-tipped, colored felt marker—in a color different than previously used on class map ☐ 1 spray bottle filled with water ☐ (optional) approximately 100 ½"-diameter selfadhesive dots, all one color ☐ (optional) stories about spiders to defuse anxiety (see the "Resources" and "Literature Connections" sections on pages 81 and 99)

For each pair of students:

For each student:

□ pencil

□ a journal

☐ (optional) 1 copy of the Spider Web Identification

☐ 1 student map of study site (made in Activity 1)

☐ 2-4 Animal ID Cards (master on page 30)

Key (master on pages 76-80)

☐ clipboard (from Activity 1)

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Activity 3	
What You Need	
For the class: □ the large map of the site (made in Activity 1) □ a wide-tipped, colored felt marker—in a color different than previously used on class map □ a large piece of chart paper or a blank overhead transparency □ a few magnifying lenses	
 a dispenser of transparent adhesive tape (to repair shake boxes in the study area) (optional) field guides for common insects and invertebrates 	
For each pair of students:	
☐ 1 shake box (see "Getting Ready") ☐ 1 pair of scissors for the sorting activity	Care Section 1
For each student: clipboard (from Activity 1) pencil 1 student map of study site (made in Activity 1) a page of Animal ID Cards (master on page 30) a journal	
Activity 4	
What You Need	
For the class: the large map of the site (made in Activity 1) 1 cafeteria tray or box lid to carry foods outside 4 types of ant food: 1 tablespoon jelly or jam, a feounces of apple juice or non-diet soda, a graham cracker, and a small can of cat food 1 sponge (clean and free of soap) 1 ziplock sandwich bag a spoon or popsicle stick grocery bag (optional) a few magnifying lenses	ew 1
For each group of 4 students: 4–5 flat wooden toothpicks 1 lid (any size—frozen juice can or yogurt container lids are fine)	
For each student: □ clipboard (from Activity 1) □ pencil □ 1 student map of study site (made in Activity 1) □ 1 copy of the Ant Challenges student sheet (mason page 48) □ a journal) ster

Activity 5

What You Need

For the class: ☐ the large map of the site (made in Activity 1) ☐ a selection of wide-tipped, colored felt markers ☐ a few magnifying lenses ☐ about 100 yards of string or yarn to make loops	
For each student:	
☐ clipboard (from Activity 1)☐ pencil	
 1 student map of study site (made in Activity 1) a string loop* 	
a small piece of cardboard or a stick (to wrap string around)	
☐ 1 piece of white unlined paper☐ 1 piece of white lined paper☐ 1	
☐ a journal ☐ (optional) a page of Animal ID Cards (master on page 30)	
 (optional) a paper or plastic bag or newspaper to si on at study site 	