Welcome to Part Two. Community and Task 2-1. The team will now begin researching mosquitoes in your local community. To do this, the team will first need to identify the areas you would like to research about mosquitoes. This will be the area where you will conduct experiments, make observations, and collect information. So think about a place you would like to know more about. The research areas could be as small as the area outside and around your house or where the team meets, such as at school. It must include one outside area. It can also include inside areas. It could also be larger and include a neighborhood or all of the homes of the team members. It could even be very large and include your entire town, village, or city. Your team will have to make these decisions together. You will also have to decide if you want more than one research site. These decisions are all up to you.

In this task, the team will determine their research sites and start creating a map of these sites.

1. Go to the Task 2-1 folder and get the Mapping Research Sites instructions and examples. This task has only one version.

2. As a team, determine the following:
   - How many research sites do we want?
   - Where are good locations for our research sites to study mosquitoes?
   - Will the research sites include both indoor and outdoor areas?
   - If we have more than one research site, which team members will be responsible for each site?

3. When the team has determined the locations of your research sites, follow the instructions in the task instructions to start making your map. Look at the examples.

4. Include maps of both outdoor and indoor areas, if you're researching both.

5. Mark the boundaries of your research site on your map. If you can (it's not required), place markers in the actual research site to mark the corners or edges. Measure and calculate the area of your research sites. Use your math skills to help!

Hooray! You completed Task 2-1. Check it off the task list. Go to Task 2-2!
Task 2-1. Mapping Research Sites

Step 1

Pick a location outside, inside, or both where you would like to research mosquitoes. Examples: inside and/or outside your house, inside and/or outside your school, inside and/or outside the place where your team meets.

On your own, explore the selected area.

Record details about everything you see, such as structures, trees, plants, animals, water, hills, shade, bushes, and more.

Step 2

Draw a map of the selected area.

Sketch and label everything you noticed in step 1.

Step 3

Meet with your team and compare or combine maps, as needed.

Continued on the next page ...
Step 4

Select and draw boundaries on your map to mark where you will conduct your research.

If you can (it’s not required), place markers on the actual research site to mark the corners.

Use a measuring tool and calculate the area of your research site. Use your math skills to help!

Just remember there are formulas for quickly finding the area of different shapes.
Digital Option: If you have access to technology, such as a computer, smartphone, or table, use a free mapping program, such as Google Maps, to identify and map your research site. Save and share the map so you can add information to it later. This is also a good option if your research site is very large, such as an entire neighborhood, town, or city.

You can also use both handdrawn maps and digital maps. Digital satellite maps are useful for seeing the big picture. Look at them first to set a boundary for your research site. Then use them to explore your research site in person and add more information to them on the ground.

See some examples of hand-drawn research site maps below.
Examples of Different Types of Research Sites and Maps

Make a map like this if you plan to do research in the area outside **around your house**.
Make a map like this if you plan to do research in the area outside around your school or meeting place.
Make a map like this if you plan to do research that includes the **inside of your house**.

Make a map like this if you plan to do research that includes the **inside of your apartment**.
Make a map like this if you plan to do research that includes the inside of your house and it has **more than one floor**.

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