

Lichen Study and Course Review – Day 1

Biology

During the school year, we have studied many different topics in Biology. Now, you are going to review the topics we investigated by conducting a series of activities, research projects, and experimental studies on a very unique type of organism called a lichen.

Below are the steps for the 1st day of our lichen study:

1. **Gather lichens** and make a collection sheet
 - a. Begin by finding one or two small branches (about 12-13”) covered with lichens. You may work with a partner to find your branches. We will collect our branches from the woods past the tennis court to make sure we get as many different kinds of specimens as possible
 - b. Identify your lichens using the lichen identification guide posted to the website. Your goal is to collect specimens of all seven different kinds of lichens in the guide.
 - c. Tape your lichen specimens to a piece of paper and label each specimen. Put your name and your partner’s names on the paper and turn your collections in to the bin
2. **Lichen research** – in your notebook, answer the following questions:
 - a. What is a lichen?
 - b. What are the two organisms that make up a lichen?
 - c. What is the scientific name of the biological relationship that characterizes lichens?
3. **Biology course review** – in your notebook, gather the following information:
 - a. List all of the major units of study we covered in Biology and write a one or two sentence summary of the major goals for those units (use the website as a reference)
 - b. Describe the study we conducted at the beginning of the year about aquatic macroinvertebrates – make sure to specifically discuss the technique we used to analyze the data we collected