

Foldscope Lesson Plan: Flora and Fauna

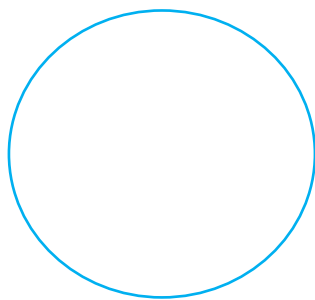
Scope: This is best if students are able to collect their own samples, but can also be prepared with samples provided by the teacher. Suitable for all ages.

Materials:

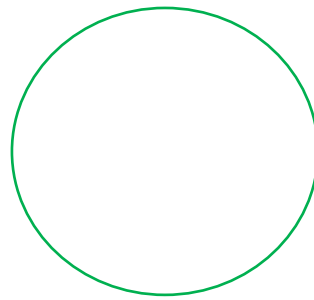
- Foldscope (assembled)
- disposable micro pipette
- small sealable container (sandwich bag will work)
- tweezers/forceps
- glass slide and 8X ring sticker
- paper slide and tape or cover stickers

Instructions:

- Have students take their pipette, tweezers, and container outside and find something natural that they find interesting: one liquid and one solid.
- Samples should be small since they are going to place them on a slide, but they can also be trimmed down later with the teachers help if needed.
- Water samples can be pulled into a pipette and solid samples can be placed into a container or sandwich bag.
- Have students make a slide for each of their samples-paper slide for solids and glass slide for liquids.
- Have them label their slides.
- Use foldscope to view their samples.
- Have students draw what they see:



Water Sample



Solid Sample

Additionally: Have students share what they have found and they are excited about, with their classmates.

Follow up: Have students look at a water sample and use the Foldscope Field Guide to identify any “critters” found.