

## Field Trip Info

We will travel to Purchase Knob/the Appalachian Highlands Science Learning Center in the Great Smoky Mountain National Park for a field trip in October. There are several reasons for this field trip. We will:

- deploy the Teensy air quality sensors at the site to collect data,
- see the NC Department of Environmental Quality ozone monitoring station,
- attend a workshop about lichens and air pollution by Dr. James Lendemer, a lichenologist from the New York Botanical Garden,
- collect data for an ongoing citizen science project at the site.

Students are asked to make every effort to attend the field trip and will receive a grade for the day's activities. However, it's noted that scheduling conflicts may prohibit some students from attending. Therefore, students who cannot attend the field trip will be given an option to write a paper detailing the topic of lichens and air quality to make up the missed credit.

Students who attend the field trip will be eligible to count the course as a service learning course for the Lily Community Engagement Award; students who do not attend the field trip will not be eligible.

## Itinerary

**Field trip date: October 21, 2019**

Time	Location	Activity
11:00	Stillwell Loading Zone	Meet and board vans
12:00	Purchase Knob	Picnic Lunch (bring your own)
12:45	Purchase Knob	Introduction to Purchase Knob
13:00	Purchase Knob	Workshop w/ Dr. Lendemer
-	Purchase Knob	Install Sensors w/ Paul Super
-	Purchase Knob	See NCDEQ Station w/ Paul Super
-	Purchase Knob	Lichen Inventory
17:00	Purchase Knob	Board Vans for Return
18:00	Stillwell Loading Zone	Arrive at WCU