

Field Trip Program: Wonders of Weather

At The North Carolina Arboretum

Students take a hands-on approach to learning about weather and how tree cover and other factors have an affect on it. Anemometers, thermometers, and other instruments are used as students compare weather measurements and predictions in multiple locations.

If you are interested in visiting our NOAA weather station, please let us know during the field trip booking process. We will do our best to accommodate these requests based on time and accessibility during your program.

Principles:

- Temperature, wind direction, wind speed, cloud cover and precipitation can measure weather quantitatively.
- Tools such as wind vanes, anemometers, thermometers and rain gauges can be used to take weather measurements.
- Energy from the sun warms the land, air and water.
- Precipitation can be found in many forms, including rain, snow, hail and fog.
- Tree cover and stream proximity can alter temperature and moisture levels, which in turn impact plant and animal species that occur in an area.



Duration: 1.5 hours

Cost:

Students	Visit Fee	Lunch Location Fee	Program Fee	Total Cost	Total Cost/ Person
10-20	\$65.00	\$20.00	\$105.00	\$190.00	\$19.00 - \$9.50
21-40	\$65.00	\$20.00	\$210.00	\$295.00	\$14.05- \$7.38
41-60	\$95.00	\$20.00	\$315.00	\$430.00	\$10.49- \$7.17
61-80	\$95.00	\$20.00	\$420.00	\$535.00	\$8.77- \$6.69
81-100	\$150.00	\$20.00	\$525.00	\$695.00	\$8.58- \$6.95
101-120	\$150.00	\$20.00	\$630.00	\$800.00	\$7.92- \$6.67

NC Science Essential Standards:

Second Grade: ESS.2.1.1, ESS.2.1.2, ESS.2.1.3, ESS.2.1.4

Starting Location: In front of the **Education Center** at the program start time (either 9:30 am or 12:00 pm) set upon booking the program. From there, the group will drive together to the **Production Greenhouse** (support facility). Groups arriving early may enjoy the property and facilities.

What do my students need?

Students should wear clothing that is appropriate for the weather. A majority of the program will take place outdoors, so students, teachers and adult chaperones should wear sturdy footwear. Students with accessibility needs are capable of participating in the program. Please notify the Coordinator prior to the day of the program to make any special arrangements.

Want to schedule this program? Fill out the Google Form. For assistance, contact Youth Education, at youtheducation@ncarboretum.org or 828-567-3165 ext. 219

Questions about this program? Contact Rich Preyer, Programs Coordinator, at rpreyer@ncarboretum.org or (828) 412-8558 ext. 626