

# STEM Outreach

## Virtual Programs



HIGHLANDS  
BIOLOGICAL STATION

During this time, Highlands Biological Station & Nature Center is providing a wide variety of live, **virtual programming** for public, private, or homeschool groups in grades preK-12 in addition to in-person presentations. Virtual Programs are available via Zoom or Google Meet, and are designed to provide supplementation to the North Carolina science *Essential Standards* for each targeted grade level. Most programs last approximately 30-45 minutes, unless specific circumstances require adjustments to the schedule.

### For all grades:

*Animals in Winter*

*Bats*

*Bears*

*Beavers*

*Birds*

*Camouflage*

*Canines*

*Cats*

*Deer*

*Fall Leaf Colors*

*Frogs & Toads*

*Insects*

*Leaves / Tree ID*

*Mice*

*Moles & Shrews*

*Opossums*

*Owls*

*Predators & Prey / Food Chains*

*Rabbits*

*Salamanders*

*Seeds & Flowers*

*Snails & Slugs*

*Snakes*

*Squirrels / Groundhogs*

*Tree Life Cycles /  
Forests*

*Turtles*

*William Bartram*

### Also for older students: (60 – 90 min.)

*Experimental Design & Scientific Method*

*Population Genetics*

*Stream Salamander Communities*

*NC Wildlife Programs* \* (see list)

**“HBS Science Short Shows”** are also available on YouTube (approx. 15 min ea.):

- |                    |                         |
|--------------------|-------------------------|
| 1. Snakes          | 6. Birds                |
| 2. Frogs           | 7. Beavers              |
| 3. Seeds & Flowers | 8. Turtles              |
| 4. Moles & Shrews  | 9. Insects              |
| 5. Salamanders     | 10. Measuring Big Trees |

### **Other Groups:**

School programs are also available for groups such as scouts, churches, 4-H, libraries, and other community organizations and the general public. *Special request programs can frequently be accommodated.*

Lectures and workshops for **adults** are also available on a variety of topics, as are **teacher and informal educator workshops** for science CEU and EE Criteria II or III credit.

### **Costs:**

The requested fee for each school outreach program is only 50¢ per student (max \$20), but may be waived. Fees for lectures, workshops, and public programs with general admission are typically a flat rate based on the expected number of participants and program length.

### **For more information:**

Descriptions and details of each program offering, including correlations to NC curriculum, are available on our website ([highlandsbiological.org/nature-center/outreach](http://highlandsbiological.org/nature-center/outreach)). To schedule a program, or for more information, please contact the Outreach Office below:

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*Highlands Biological Station & Nature Center*  
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[www.highlandsbiological.org](http://www.highlandsbiological.org)



## HIGHLANDS BIOLOGICAL STATION

265 N. Sixth Street, Highlands NC 28741

### *Virtual Presentations for NC Wildlife Course \**

Grades 9-12 – (60 - 90 min)

- *Dichotomous Keys & Biological Classification*
- *Experimental Design & the Scientific Method*
- *Frogs of the Blue Ridge / Frog Calls Lab*
- *Introduction to Birding*
- *Introduction to Owls / Owl Pellet Lab*
- *Mammals of the Southern Appalachians*
- *Mammal Skulls Lab*
- *Salamander Diversity & Biogeography in the Southern Appalachians*
- *Salamanders as Biological Indicators Lab*
- *Shrews of the Blue Ridge (& Current Research)*
- *Snakes of the Blue Ridge*
- *Stream Salamander Communities Lab*

**Contact:**

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