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:

<table>
<thead>
<tr>
<th>Animals in Winter</th>
<th>Frogs &amp; Toads</th>
<th>Seeds &amp; Flowers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bats</td>
<td>Insects</td>
<td>Snails &amp; Slugs</td>
</tr>
<tr>
<td>Bears</td>
<td>Leaves / Tree ID</td>
<td>Snakes</td>
</tr>
<tr>
<td>Beavers</td>
<td>Mice</td>
<td>Squirrels / Groundhogs</td>
</tr>
<tr>
<td>Birds</td>
<td>Moles &amp; Shrews</td>
<td>Tree Life Cycles / Forests</td>
</tr>
<tr>
<td>Camouflage</td>
<td>Opossums</td>
<td>Turtles</td>
</tr>
<tr>
<td>Canines</td>
<td>Owls</td>
<td>William Bartram</td>
</tr>
<tr>
<td>Cats</td>
<td>Predators &amp; Prey / Food Chains</td>
<td></td>
</tr>
<tr>
<td>Deer</td>
<td>Rabbits</td>
<td></td>
</tr>
<tr>
<td>Fall Leaf Colors</td>
<td>Salamanders</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Experimental Design &amp; Scientific Method</th>
<th>Stream Salamander Communities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population Genetics</td>
<td>NC Wildlife Programs *</td>
</tr>
</tbody>
</table>

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

1. Snakes
2. Frogs
3. Seeds & Flowers
4. Moles & Shrews
5. Salamanders
6. Birds
7. Beavers
8. Turtles
9. Insects
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). To schedule a program, or for more information, please contact the Outreach Office below:

Patrick Brannon
Outreach Education Specialist & Naturalist
Highlands Biological Station & Nature Center
265 N. Sixth Street, Highlands NC 28741
828-526-4123
pbrannon@email.wcu.edu

www.highlandsbiological.org
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:

Patrick Brannon
Outreach Education Specialist & Naturalist
Highlands Biological Station & Nature Center
828-526-4123
pbrannon@email.wcu.edu

www.highlandsbiological.org