Petersburg Ecology Web
Ranger
Program

Learn

Discover

Explore

Activity Booklet
Activity 1
Culture and History

Do some research on the place you are going to visit. Try to find some interesting facts about the place. You may learn about the old houses, farms or people who once lived in the area. Write a short paragraph about what you learned below.

_________________________________________________________________
_________________________________________________________________
_________________________________________________________________
_________________________________________________________________
_________________________________________________________________
_________________________________________________________________
_________________________________________________________________
_________________________________________________________________
_________________________________________________________________
_________________________________________________________________
_________________________________________________________________
_________________________________________________________________
_________________________________________________________________
_________________________________________________________________
Senses Hike
Take a hike on a trail and use only your senses to discover the area around you. Listed below are four of your five senses. Use each one listed below to learn something about the area you are hiking in. Write a sentence to describe what you discover with your senses. Please do not use your sense of taste. Many items in nature are harmful if eaten.

Sight___________________________________________
_______________________________________________
_______________________________________________
_______________________________________________

Smell___________________________________________
_______________________________________________
_______________________________________________
_______________________________________________

Sound___________________________________________
_______________________________________________
_______________________________________________
_______________________________________________

Touch___________________________________________
_______________________________________________
_______________________________________________
_______________________________________________
**Activity 3**  
**Wildlife Detective**

Walk along a trail and explore the area to see kind of wildlife is in the area. Many animals are shy and you will not see them but you may see signs that they have been in the area. Check off as many clues as you can find. Walk quietly, listen closely and stay alert. You never know what you will see or hear. Carefully look under logs, and be sure to put them back in the same place. Early morning and dusk are great times to see wildlife. Good luck being a detective.

<table>
<thead>
<tr>
<th></th>
<th><img src="image1.png" alt="Image" /> Feather</th>
<th><img src="image2.png" alt="Image" /> Scat</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><img src="image3.png" alt="Image" /> Nest in a Tree</td>
<td><img src="image4.png" alt="Image" /> Buzzing Insect</td>
</tr>
<tr>
<td></td>
<td><img src="image5.png" alt="Image" /> Animal Tracks</td>
<td><img src="image6.png" alt="Image" /> Animal Tracks</td>
</tr>
<tr>
<td></td>
<td><img src="image7.png" alt="Image" /> Leaf chewed by an insect</td>
<td><img src="image8.png" alt="Image" /> Animal Burrow</td>
</tr>
<tr>
<td></td>
<td><img src="image9.png" alt="Image" /> Spider Web</td>
<td><img src="image10.png" alt="Image" /> Your Choice</td>
</tr>
</tbody>
</table>
Activity 4

Sound Map

Find a comfortable and quiet place to sit outdoors. The X in the center of the map is you! Listen carefully to the sounds around you. Listen for birds, animals, blowing trees and even sounds made by people. Now draw pictures on the map showing the sounds you heard and where you heard them.

Did you hear sounds coming from all directions?

Did you know all of the sounds, or were there some sounds you could not identify?
Would your map look different if you sat here at night or very early in the morning?
Activity 5

Be A Nature Artist

In this activity you can sketch pictures of nature’s beauty. You can also use a camera to take pictures and then paste some of your pictures to make a collage. Sketch or paste at least one picture of an animal and at least one picture of a plant up close. Look for interesting shapes and interesting colors.
**Activity 6**

**Birds are fun to watch!**

They sing. They soar. Some of them hunt. Some of them even dance! More than 800 different kinds of birds can be found in the United States! National and State parks are some of the best places to look for birds because they protect so many of their habitats. Each type of plant or animal is a unique species. There are many ways that we can tell different species of birds apart. We can look at the colors of their feathers. We can notice the shape of their bill. We can listen for their different songs. Go outside and look for two different species of birds. Keep notes to help you tell them apart.

<table>
<thead>
<tr>
<th>Bird 1</th>
<th>Bird 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Location</strong></td>
<td><strong>Location</strong></td>
</tr>
<tr>
<td>Where did you see it? Beach, forest, parking lot?</td>
<td>Where did you see it? Beach, forest, parking lot?</td>
</tr>
<tr>
<td><strong>Bill</strong></td>
<td><strong>Bill</strong></td>
</tr>
<tr>
<td>Long, curved, short, black?</td>
<td>Long, curved, short, black?</td>
</tr>
<tr>
<td><strong>Size and Shape</strong></td>
<td><strong>Size and Shape</strong></td>
</tr>
<tr>
<td>Tall, skinny, larger than a crow, smaller than a robin?</td>
<td>Tall, skinny, larger than a crow, smaller than a robin?</td>
</tr>
<tr>
<td><strong>Colors on Head</strong></td>
<td><strong>Colors on Head</strong></td>
</tr>
<tr>
<td>Brown all over, white throat, Black cap, white eye strip?</td>
<td>Brown all over, white throat, Black cap, white eye strip?</td>
</tr>
<tr>
<td><strong>Color on Chest</strong></td>
<td><strong>Color on Chest</strong></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Color on Back</strong></td>
<td><strong>Color on Back</strong></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Behavior</strong></td>
<td><strong>Behavior</strong></td>
</tr>
<tr>
<td>What was it doing? Soaring, perching, swimming?</td>
<td>What was it doing? Soaring, perching, swimming?</td>
</tr>
<tr>
<td><strong>Identify the Species</strong></td>
<td><strong>Identify the Species</strong> (Optional)</td>
</tr>
<tr>
<td>Try to learn what type of bird it is.</td>
<td>Try to learn what type of bird it is.</td>
</tr>
<tr>
<td><strong>Other notes</strong></td>
<td><strong>Other notes</strong></td>
</tr>
<tr>
<td>Were there more than one? Was it making noise? When did you see it?</td>
<td>Were there more than one? Was it making noise? When did you see it?</td>
</tr>
</tbody>
</table>
Activity 7
Symbol Challenge

Parks and recreation areas use these signs and symbols to help people find their way and stay safe in the park. Do you know what these signs mean? Take the challenge!
Draw a line to connect the sign or symbol with its description.

Tent/Campground
Exhibits
Equestrian Trail
Wheelchair Accessible
Dogs Allowed On Leash
Recycling
Hiking Trail
Picnic Area
Campfire Center
Ranger Station
Spelunking
Restroom
## Activity 8

### Word Match

Read the words and definitions below. Draw a line to match the words with the correct definitions.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. Habitat</strong></td>
<td>Changes that help plants and animals better survive in their environments</td>
</tr>
<tr>
<td><strong>2. Ecology</strong></td>
<td>Stories, places and property that are passed to us from our ancestors.</td>
</tr>
<tr>
<td><strong>3. Adaptation</strong></td>
<td>Variety in nature or culture</td>
</tr>
<tr>
<td><strong>4. Diversity</strong></td>
<td>A record of the past.</td>
</tr>
<tr>
<td><strong>5. Culture</strong></td>
<td>When a group of people share a language, music, type of food and a special way of doing things.</td>
</tr>
<tr>
<td><strong>6. Heritage</strong></td>
<td>The study of the relationship between living things and their environment.</td>
</tr>
<tr>
<td><strong>7. History</strong></td>
<td>The arrangement of food, water, shelter and space suitable to a plant or animal’s needs.</td>
</tr>
</tbody>
</table>
You Are Now an Official Ecology Web Ranger!

Fill in this form to get your certificate.

Park or Area Visited: ________________________________

Date Visited: ______________________________________

Ecology Web Ranger Name:
First                     Middle                     Last

Grade: _____ School Attending: ______________________

________________________________________________________________

Parent/Guardian Name  First Middle Last

________________________________________________________________

Street Address City State Zip Code
________________________________________________________________
________________________________________________________________

Email: ____________________________

County:__________________________

Mail Your Completed Form To:

Attention: Ecology Web Rangers
Petersburg National Battlefield
1539 Hickory Hill Road
Petersburg, VA 23803.