

# Bark and Buds

<b>Type of Activity</b>	Small group, chaperone led
<b>Materials</b>	<ul style="list-style-type: none"><li>▪ 1 Clipboard per student</li><li>▪ 1 worksheet per student</li><li>▪ 1 marker per student</li><li>▪ 1 eraser per student</li><li>▪ Bark samples</li></ul>
<b>Directions</b>	<p>Once in the arboretum, walk to the amphitheater and seat students on the benches. Take a few moments to explain to the students what bark is and show the students the three samples of the bark: smooth, rough, peeling. Tell the students that with their chaperone they are going to walk along the perimeter of the arboretum looking for the three types of bark. The students should make a tally at every stop next to the correct bark type.</p>

# Leaf Hunt

<b>Type of Activity</b>	Chaperoned small groups
<b>Materials</b>	<ul style="list-style-type: none"><li>▪ 1 clipboard per student</li><li>▪ 1 worksheet per student</li><li>▪ 1 marker per student</li><li>▪ 1 eraser per student</li></ul>
<b>Directions</b>	<p>Once in the arboretum, hand out materials to the students. Explain to the students that they will need to follow the map with their chaperone. When they find the numbered tree, they will need to look at the drawings on their worksheet and match the leaf to the tree. Once they have matched their leaf to tree, have the students refer to the leaf key at the bottom of the page. Have the students tell you which type of leaf it is.</p>

# Frederick County Rocks

<b>Type of Activity</b>	Chaperoned small groups
<b>Materials</b>	<ul style="list-style-type: none"><li>▪ One rock sample container per group</li><li>▪ One hand lens per student</li><li>▪ One direction sheet per chaperone</li></ul>
<b>Directions</b>	Once in the arboretum, hand out rock samples to chaperones. Have chaperones show the students the rocks and discuss what the students observe about the rock. The chaperone will use the map to guide the students to the different large rock samples in the arboretum. Once the chaperone has guided his/her students to a rock sample. Have the students examine the rock with a hand lens and try to match their rock sample to the rock in the arboretum.

# Nature Walk

<b>Type of Activity</b>	Chaperoned small groups
<b>Materials</b>	<ul style="list-style-type: none"><li>▪ 1 worksheet per chaperone</li><li>▪ 1 marker per chaperone</li><li>▪ 1 eraser per chaperone</li></ul>
<b>Directions</b>	Once in the arboretum, explain to the students that they need to use their 5 senses while in the arboretum. Go through each item on the checklist, stopping to discuss the different things they discover: ex- what kind of an insect did you find?

# Bugs and Beyond

<b>Type of Activity</b>	Whole group
<b>Materials</b>	<ul style="list-style-type: none"><li>▪ 1 magnifying box per student</li><li>▪ 1 pipe cleaner per student</li><li>▪ 1 popsicle stick per student</li><li>▪ 1 field guide per student</li></ul>
<b>Directions</b>	<p>Take the students to the very back of the arboretum near the Elm tree. Here you will find mulch pile near the quartzite rock for the students to look for bugs. Turn over any wood beams that might be there to help the students find more bugs. Students will use their popsicle stick or pipe cleaner to pick the bug up and put it in their box. Have them look at the details of the bug under the magnifier. Please release the bugs before beginning a new activity</p>

# Riddletime

<b>Type of Activity</b>	Chaperoned small group
<b>Materials</b>	<ul style="list-style-type: none"><li>▪ 1 worksheet per chaperone</li><li>▪ 1 box of letters per chaperone</li><li>▪ 1 letter template per chaperone</li></ul>
<b>Directions</b>	Once in the arboretum, explain to the children that they are going to solve riddles. Explain that the first letter of the answer will be placed on the letter template which will then spell out the mystery word. The clues are written on the chaperones sheet but are also found in the arboretum as indicated on the map. Read the clues to the students and work together to solve the riddle and discover the mystery word. At the end, use the resource sheet to tell the children about the elm tree.