

Quarter	Topic	Outdoors	Target Date for Completion
1 <sup>st</sup>	<b>Natural History of Loudoun</b> (throughout year)		November 1, 2013
	<b>Scientific Method/How to be a Naturalist</b>	Butterflies Plants	
	<b>Hydrosphere</b> <ul style="list-style-type: none"> <li>- Watershed Ecology</li> <li>- Invasive Species</li> <li>- Water</li> <li>- Pollution</li> <li>- Storm water Management</li> <li>- Water Treatment</li> </ul>	Stream Monitoring Macro-invertebrates Fish	
2 <sup>nd</sup>	<b>Biosphere</b> <ul style="list-style-type: none"> <li>- Ecology</li> <li>- Populations</li> <li>- Biodiversity</li> <li>- Limiting Factors</li> <li>- Invasive Species</li> </ul>	Trees/Plants	January 24, 2014
	<b>Forestry</b> <ul style="list-style-type: none"> <li>- Conservation</li> <li>- Deforestation</li> </ul>	Winter Tree Identification	
3 <sup>rd</sup>	<b>Energy Conservation</b> <ul style="list-style-type: none"> <li>- Bioethics</li> <li>- Conservation/Alternative Energies</li> <li>- Energy Production and Consumption</li> </ul> <b>Atmosphere</b> <ul style="list-style-type: none"> <li>- Air</li> <li>- Structure</li> <li>- Weather Dynamics</li> <li>- Pollution</li> </ul>	Winter Tree Identification Mammals/Tracks	March 28, 2014
4 <sup>th</sup>	<b>Geology/Hydrosphere</b> <ul style="list-style-type: none"> <li>- Land/Geomorphology</li> <li>- Soil</li> <li>- Use and Reclamation</li> <li>- Plants</li> </ul>	Insects Birds Wildflowers	June 12, 2014