

## Dear 5th Grade Teachers,

Outdoor School staff have been building resources to use with FCPS students. The links below correspond to virtual lessons and programs created during the 2020-2021 school year have been updated for 2021-2022. Lessons align with [MISA standards](#).



**Outdoor School staff** (Troy Carter, Scott McIntosh, Brett Querry) **will provide synchronous instruction.** We'll be offering a series of lessons done virtually, in one day.. Three lessons are offered.

Standards	Outdoor School Focus
<p><b>5-ESS2-1:</b> Develop a model using an example to describe ways the geosphere, biosphere, hydrosphere, and/or atmosphere interact.</p> <p><b>5-ESS2-2:</b> Describe and graph the amounts and percentages of water and fresh water in various reservoirs to provide evidence about the distribution of water on Earth.</p>	<p><b>Lesson 1</b> focuses on sphere interactions, processes that shape the Earth, natural resources, and human impacts. Outdoor School staff will review the Earth Systems Unit. Students will virtually explore areas like Rocky Ridge, the Catoctin Furnace, and Devil's Racecourse (asynch). Outdoor School staff will utilize varied locations generating student engagement as part of a synchronous lesson (similar to sites we visit in non-pandemic years). We will also include American Beginnings (SS) curriculum.</p>
<p><b>5-ESS3-1:</b> Obtain and combine information about ways individual communities use science ideas to protect the Earth's resources and environment.</p> <p><b>5-ESS2-1:</b> Develop a model using an example to describe ways the geosphere, biosphere, hydrosphere, and/or atmosphere interact.</p>	<p><b>Lesson 2</b> - focuses on natural resources and human impact. Students will virtually explore how people have used the land over the centuries. We will also provide a bridge between science and social studies as we link to exploration, colonization, and adaptation. Outdoor School staff will utilize the Charcoal Trail, Catoctin Furnace, and Rose Hill Manor to generate student engagement as part of a synchronous lesson (similar to sites we visit in non-pandemic years). We will also include American Beginnings (SS) curriculum.</p>
<p><b>5-ESS3-1:</b> Obtain and combine information about ways individual communities use science ideas to protect the Earth's resources and environment.</p> <p><b>5-ESS2-1:</b> Develop a model using an example to describe ways the geosphere, biosphere, hydrosphere, and/or atmosphere interact.</p>	<p><b>Lesson 3</b> - focuses on natural resources and human impact. Students virtually learn about the impact people have had on the landscape of Frederick County as sections of the county have been used, then restored, and made available to the public for recreation and enjoyment. Outdoor School staff use Brown's Farm at Catoctin Mountain Park to show how students help to restore this land that changed from forest to farm to forest again. Explore Rivermist Park and Deerbought as a path to housing development. Examine Lake Linganore as an example of using community and development and its effects on the watershed.</p>

We will provide **asynchronous materials** and a **synchronous lesson** for each lesson listed above. Materials include videos, Playposits, Schoology Assessments, Blookets, and Kahoots.

In the [spring of 2020 we supplied lessons based on the Outdoor School experience](#). These are all asynchronous lessons.