

## ES/MS Day Classes

Class	What are students and teachers doing?	Additional notes
Expedition: Tremont	Making observations, asking questions, doing initial explorations of the national park	This is every group's first class at Tremont
River and Reflections	Wrapping up their time at Tremont through reflection, discussion, and sharing.	This is every group's last class at Tremont
Air Quality	Monitoring air quality in the Smoky Mountains through citizen science projects and investigations.	
All Day Trip to Cades Cove	Exploring home-sites, church yards, fields, and forest to relive life in the late 1800's in the Cades Cove community.	School arranges transportation to and from Cades Cove. 60 students max.
Creative Expressions	Writing poetry, creating art, and using drama to investigate the natural world.	
EarthQuest	Hearing, smelling, tasting, moving... using their physical senses to become more aware of the natural world and their own place in it.	
Ethnobotany	Identifying plants to use them for medicine, food, and crafts. Exploring how human cultures and plants intertwine.	
Explorations	Building shelters, packing for expeditions, discovering the unknown.	

Geology Hike to the Falls	Hiking to a scenic waterfall. Piecing together the geologic story of the Smokies through evidence found on the Falls Trail.	
Life in the Forest	Exploring the vast, diverse hardwood forests of the national park....	
Salamander Exploration	Uncovering questions, following curiosity, and designing student-driven investigations to learn more about salamanders.	
Stream Ecology	Investigating water quality through collection of bio-indicators (aquatic macro-invertebrates) and abiotic water quality testing.	Stream class-- students will get wet!
Stream Life	Catching aquatic organisms and finding out how their structures and behaviors help them live.	Stream class-- students will get wet!
Stream Physics	Measuring the flow rate of the Middle Prong without a stream flow meter. Exploring the power of water in shaping the landscape.	Stream class-- students will get wet!
Walker Valley Living History	Interviewing inhabitants of Walker Valley in 1926 to see how their lives would be affected by the creation of GSMNP.	
Wilderness Navigation	Using a map and compass to navigate through an orienteering course both on Tremont campus and off trail in the wilderness.	

All Day Hike	Setting off on an all-day adventure on the trails. Choose either a 4 or 8 mile hike.	
All Day High Country Exploration	Heading up to the high peaks of the Smokies to explore and understand the unique ecology of the ridgeline forests.	School provides transportation. 60 students max.
All Day Forest Investigations	Embarking on an all day investigation of the most biodiverse forest in US. Students may discover food webs, life cycles, and other patterns of forest ecology.	
All Day Stream Investigations	Embarking on an all day investigation of the streams that fill Walker Valley. Students may investigate watersheds, stream dynamics, water quality, aquatic life, and more.	Stream class-- students will get wet!
All Day Landscape Investigations	Embarking on an all day investigation of how the interactions of water and land gave shape to the Smoky Mountains.	Stream class-- students will get wet!

### HS Daytime Lessons

<b>Class</b>	<b>What are students and teachers doing?</b>	<b>Additional notes</b>
Aquatic Salamander Monitoring	Participating in a long-term salamander population study by catching salamanders, collecting data and discussing results.	Stream class-- students will get wet!

Geology Hike to the Falls	Observing the geologic history of the Smoky Mountains through observations of outcrops, faulting, and deformation of rock.	
Biodiversity Blitz	Counting and cataloguing every living thing in a small plot of Smokies forest. Cultivating an understanding of biodiversity.	
Ethnobotany	Identifying plants to use them for medicine, food, and crafts.	
Stream Ecology	Investigating water quality through collection of bio-indicators (aquatic macro-invertebrates) and abiotic water quality testing. Getting in the stream.	Stream class-- students will get wet!
Salamander Investigations	Uncovering questions, following curiosity, and designing investigations to learn more about salamanders.	
Air Quality	Monitoring air quality in the Smoky Mountains through citizen science projects and investigations.	
Stream Physics	Measuring the flow rate of the Middle Prong without a stream flow meter. Exploring the power of water in shaping the landscape.	Stream class-- students will get wet!

Wilderness Navigation	Using a map and compass to navigate through an orienteering course both on Tremont campus and off trail in the wilderness.	
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### Evening Programs

Evening Program	What are students and teachers doing?	Additional notes
Night Walk / Crepuscular Crawl	Searching for nocturnal animals, testing the limits of our senses, exploring the wilderness of the dark.	Tremont staff leads this class.
Campfire	Gathering in a campfire circle to sing, play games, laugh, listen to stories, and watch the flames burn to coals.	Tremont staff leads this class.
Astronomy	Search the night sky for constellations and hear the stories connected with them. Investigate the phases of the moon and other celestial phenomena.	Tremont staff leads this class.
Cooperation Course	Navigating a series of team-building challenges to work on communication and leadership.	Led by school staff. Can be two hours upon request.
Freddie the Fungus	Acting out a courtroom trial of a fungus accused in the death of an oak tree.	Led by school staff
Eco Jeopardy	Testing nature knowledge through a game show format!	Led by school staff.

Values Auction	Playing an auction game as a way to discuss values and conservation.	Led by school staff.
Nature Quiz Show	Playing a natural knowledge quiz show that incorporates a series of challenges.	Led by school staff
Egg Drop	Taking on a classic engineering challenge of protecting a falling egg using only given or natural materials.	Led by school staff
Smoky Mountain Bingo Night	Playing a combination trivia/bingo game!	Led by school staff

[Click here to see a list of special evening presenters \(additional cost may be required\)](#)

#### Special Presenters

Bob Grimac (no more than 60)	Specify: Folk Dance Party International Folk Dance Dance and Sing (1.5 hr program)	\$105 1 hr. /\$125 for 1.5- 2 hrs
Steve Kopman	Square Dancing	\$175/ \$225 1.5hr / \$300 2 hrs higher charge for weekends
Sheri Liles	Fiber Fun Demo Bees to Candles Storytelling	\$125 / \$240 for 2hrs \$75(may change due to cost of beeswax and group size) \$100
Lost Mill String Band	Old Timey Music	\$125.00 /hr. \$175 / 2hrs

Sean McCollough	Music & Stories	\$200
Elizabeth Rose	Stories	\$175 (\$137.50 each if two schools sharing)
Appalachian Bear Rescue	Black Bear ecology and rescue	\$75.00
Black Bear presentation with NPS researcher	Bears or Bats Research from a former NPS scientist	\$75.00
Faye Wooden	Storyteller	150.00 /hr
Smoky Mountain Raptor Center	Birds of Prey Rehabilitation	\$175/ \$180 for owl pellet program
Anna Uptain	Old timey music	\$200/\$300 for group larger than 65