68the Annual Spring Wildflower Pilgrimage

A KEY TO THE COLOR BACKGROUND AND OTHER SYMBOLS APPEARS AT THE BOTTOM OF THIS SHEET.

Program Number 2018		Event Category see bottom	Start time	End time	Meeting Place	Title	Description	Similar Programs 2018
April 24 – Tuesday Evening - - - Tuesday Evening - - - Tuesday Evening - - - Tuesday Evening - - - Tuesday Evening - - - Tuesday Evening - - - Tuesday Evening								
		I	5:00 PM	9:00 PM	Mills Conference Center (V)	On-site Registration	On-Site Registration begins. Online registrants pick up registration packets and make schedule changes.	
April 25 - Wednesday Morning - - - Wednesday Morning - - - Wednesday Morning - - - Wednesday Morning - - - Wednesday Morning - - - Wednesday Morning								
1	REGISTRATION IS REQUIRED – REGISTRATION IS REQUIRED – REGISTRATION IS REQUIRED – REGISTRATION IS REQUIRED	B-O	7:00 AM	11:30 AM	Cades Cove at Information Kiosk Before Loop Road Entrance (MM)	Bird Photography	Smoky Mountain Bird Photographer, Barry Spruce, will instruct the group in finding bird subjects among their particular habitat, teach how to have success in approaching these birds, and use their surroundings for more pleasing compositions. After the field walk, we move to the Spruce gallery in Townsend for technical guidance on enhancing compositions. Bring your digital camera and binoculars (please, no cell phone or iPad cameras.) Limit 15 people. DT: 60 min. http://barrysprucephotography.com/ https://www.facebook.com/Barry-Spruce-Photography-177079628992433/	8, 48, 63, 108, 139
2		B F O	7:30 AM	11:30 AM	City Parking Lot by Gatlinburg Fire Station on Reagan Dr. (NN)	Birding at Sugarlands and Cove Hardwood Nature Trail	Tom Howe, former president of the Knoxville TN Ornithological Society, leads a search for spring migrants and Appalachian specialties at Sugarlands Visitor Center and the Blackthroated Blue Warbler at Cove Hardwood Nature Trail. Bring binoculars and rain gear. Short, easy walks. Limit 15 people. http://www.knoxvillebirding.org	3, 4, 34, 35, 40, 41, 42, 43, 75, 76, 85, 86, 87, 105, 121, 122, 123, 131, 132, 133, 158, 159
3		B F O	8:00 AM	11:30 AM	City Parking Lot by Gatlinburg Fire Station on Reagan Dr. (NN)	Birding at Sugarlands and Newfound Gap	With naturalist and birder, Jay Sturner, search for spring migrants and Appalachian specialties starting at Sugarlands and ending at Newfound Gap. Bring binoculars and rain gear. Short, easy walks. Limit 15 people.	2, 4, 34, 35, 40, 41, 42, 43, 75, 76, 85, 86, 87, 105, 121, 122, 123, 131, 132, 133, 158, 159
4		B-O	8:00 AM	11:30 AM	Townsend "Y" on Little River Road to begin carpool (FF)	Birding On School House Gap Trail.	Scan the trees along a stream for Warblers, Vireos, Scarlet Tanager and American Goldfinch, among other species, with Liz Domingue, naturalist guide, birder, wildlife biologist and photographer. Bring binoculars, water, rain gear, and comfortable walking shoes. Easy walk. Limit 12 people. DT: 45 min. www.justgetoutdoors.com	2, 3, 34, 35, 40, 41, 42, 43, 75, 76, 85, 86, 87, 105, 121, 122, 123, 131, 132, 133, 158, 159
5		F T O	8:00 AM	11:30 AM	Mills Conference Center - Vans (V)	Wildflower and Wildfire Walk: Chimney Tops	The 11/23/16 Chimney Tops 2 Fire originated on the north peak of Chimney Tops, spreading northward into the Sugarlands Valley over the next several days. Follow naturalist, Doris Gove, as the trail ascends through an unburned northern hardwood forest with a splendid display of spring wildflowers, ending at an observation platform 1/4 mile from the peaks. Elevation gain 1,400 ft. Strenuous, 3.5 mile walk. Limit 22 people.	45, 89, 135
6		T-O	8:00 AM	11:30 AM	Mills Conference Center - Vans (V)	Wildflower Walk: Huskey Gap Trail	Walk the old trail that connected the settlers of Sugarlands Valley and Little River as you view the wildflower displays and homesites along the way. Elevation change: 1,000'. A 2-mile, moderate walk. Limit 22 people.	90, 124, 145
7		F O	8:00 AM	11:30 AM	City Parking Lot by Gatlinburg Fire Station on Reagan Dr. (NN)	Wildfire Ecology One Year Later.	Baskins Creek Trail contains areas illustrating different intensity levels of recent wildfire on vegetation and soil. With plant ecologist Greg Schmidt, explore these differences in the burn intensity as it relates to vegetation regrowth one year later. A 2 mile moderate walk. Limit 25 people.	46, 59, 88, 106, 134
8		O	8:15 AM	11:30 AM	Sugarlands Visitor Center Training Room - park in 3rd lot on right (EE)	Beginner's Photography Workshop	See a short visual presentation, then travel outdoors for hands-on instruction in composition and techniques by authors Jack Carman (*Wildflowers of Tennessee*) and Robert Hutson (*Great Smoky Mountain Wildflowers: When and Where to Find Them*). Bring a camera and tripod. A 2 mile, easy walk. Limit 20 people. DT: 15 min.	1, 48, 63, 108, 139
9		F O	8:30 AM	11:30 AM	Chimneys Picnic Area (F)	Wildflower Walk: Cove Hardwood Nature Trail	Observe abundant wildflowers, including dwarf ginseng and fringed phacelia, in this old-growth forest. Short, easy walk. Limit 25 people. DT: 25 min.	54, 67, 142, 155
10		O	8:30 AM	11:30 AM	Little River Trailhead Past Elkmont Campground (T)	Fern Walk: Little River above Elkmont	Have you ever seen an adder's tongue? Come see a variety of the park's 25 more common ferns and fern allies. Bring a hand lens. A 2-mile, easy walk. Limit 25 people. DT: 30 min.	52, 99, 153
11		O	8:30 AM	11:30 AM	Greenbrier Road terminus at Porters Creek trailhead 4.5 miles from Route 321 (O)	Wildflower Walk: Porters Creek Trail	See abundant wildflowers including painted trillium and many more. Pass old homesteads and a cemetery along this popular trail which leads to an old-growth cove hardwood forest. A 2-3 mile easy walk. Limit 25 people. DT: 30 min.	31, 83, 97, 115, 127, 147, 154

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12	- REGISTRATION IS REQUIRED – REGISTRATION	F O	8:30 AM	11:30 AM	Chimneys Picnic Area (F)	Edible Mushroom Walk	Learn the do's and don'ts about recognizing edible mushrooms and their habitat preference with field and culinary mycologists, Rachel Swenie and Alicia Hobbs. Short, easy walk. Limit 25 people. DT: 25 min.	119, 161
13		F O	8:30 AM	11:30 AM	Twin Creeks Pavilion off Cherokee Orchard Road (GG)	Native People's Use of Nature's Garden	Gather at the cook fire with Native American Karen LaMere (Ho-Chunk) and listen to an oral history which has been passed down through the generations by America's indigenous people. Taste and discover ingenious uses of native plants. Short, easy walk. Limit 25 people. DT: 10 min.	20, 92, 112
14		T F O	8:00 AM	11:30 AM	Mills Conference Center - Vans (V)	Wildflower Walk: Quiet Walkway	This easy walk from Newfound Gap Road to the river has a rich diversity of wildflowers. Dutchman's pipe vine and pawpaw are usually in flower along the path. A 2-mile, easy walk. Limit 22 people.	44, 60, 91
15		O	8:45 AM	11:30 AM	Townsend "Y" on Little River Road (FF)	Wildflower Walk: Chestnut Top Trail	One of the grandest wildflower displays in the Smokies. A 2 mile, moderate walk. Limit 15 people. DT: 45 min.	71, 118, 148
16		O	8:30 AM	11:30 AM	Jakes Creek Trailhead past Elkmont Campground (R)	Wildflower Walk: Cucumber Gap Trail	Walk through a secondary cove hardwood forest and enjoy the diversity of wildflowers. This trip ascends toward Cucumber Gap, then returns. A 2-mile, moderate walk. Limit 25 people. DT: 30 min.	68, 125, 144
17		FSO	9:30 AM	11:30 AM	Twin Creeks Gravel Parking Lot off of Cherokee Orchard Road (GG)	Aquatic Insect Diversity Walk	Enjoy Short, walks on different order streams with Park entomologist Becky Nichols. Learn to collect and identify a variety of insects in pristine streams. Short, easy walk. Limit 16 people. DT: 10 min.	56, 150
April 25 - Wednesday Afternoon - - - Wednesday Afternoon - - - Wednesday Afternoon - - - Wednesday Afternoon - - - Wednesday Afternoon - - - Wednesday Afternoon								
18	REGISTRATION IS REQUIRED – REGISTRATION IS REQUIRED – REGISTRATION	V O	1:00 PM	4:00 PM	Cades Cove Campground Store Parking Lot (MM)	Butterflies in Cades Cove	National Park Service Volunteer Warren Bielenberg and Outdoor Educator, Wanda DeWaard have been chasing butterflies in Cades Cove for over 20 years. Join them to explore a variety of habitats to identify butterflies on the wing in Cades Cove. Bring a butterfly field guide, binoculars, water, dress for the weather. Short easy walks. Limit 25 people. DT: 60 min.	111
19		B O	1:15 PM	2:30 PM	Sugarlands Visitor Center—park in 3rd lot on right (EE)	Bird Sketching Chris Myers	Wildlife artist Chris Myers discusses ways to capture bird morphology and behavior on paper. Bring your sketchbook, pencils, pens, or watercolors. Limit 20 people. DT: 15 min. Meet at Training Room in basement of bathroom facility (see map page 25). https://www.facebook.com/Chris-Myers-Art-702564893092139/?fref=ts	26, 51, 62, 96
20		F O	1:15 PM	4:30 PM	Twin Creeks Pavilion off Cherokee Orchard Road (GG)	Native People's Use of Nature's Garden	Gather at the cook fire with Native American Karen LaMere (Ho-Chunk) and listen to an oral history which has been passed down through the generations by America's indigenous people. Taste and discover ingenious uses of native plants. Short, easy walk. Limit 25 people. DT: 10 min.	13, 92, 112
21		I	1:15 PM	4:30 PM	Twin Creeks Science and Education Center off Cherokee Orchard Road (GG)	Become a GSMNP Citizen Scientist	Tennessee and North Carolina are home to approximately 1.5 million dried plant specimens. To make a permanently record of a plant species location and genetic information, a plant is collected, pressed, mounted on a paper sheet, and stored in a herbarium. To make each plant's information available globally, a local and international digitizing effort is underway. This program introduces you to the Park's natural history collections which have not been digitized until now. Using the Park's plant specimens, you will photograph the plant sheet, record the plant's location information, then upload the data into an international biodiversity database. Your data entry will be available immediately to researchers and conservation workers around the world. We'll show you ways to engage in these efforts from your home. No experience necessary. Limit 10 people. DT: 10 min.	49, 64, 93, 107, 140, 152
22		O	1:30 PM	4:30 PM	Greenbrier Road, carpool from picnic area, 2.5 miles from Route 321 (N)	Wildflower Walk: Old Settlers Trail	Walking through these former homesteads, discover the many wildflowers now growing in the abandoned fields and among the stone chimneys and fences. Elevation change: 200' ascent. A 2 mile, moderate walk. Limit 25 people. DT: 30 min.	79, 102
23		O	1:30 PM	4:30 PM	Greenbrier Road, carpool from first parking lot on right, 200 feet from Route 321 (M)	Trilliums of the Smokies Walk	Travel with Tom Patrick, botanist with the Georgia Natural Heritage Program and trillium expert, to focus on the biology and diversity of trilliums in the park. Short, easy walks. Bring a hand lens. Limit 20 people. DT: 30 min.	77, 114
24		O	1:30 PM	4:30 PM	Little River Trailhead past Elkmont Campground (T)	Black Bear and Wild Hog Walk	Walk with David Whitehead, retired Tennessee Wildlife Resources Agency Manager, as he describes the life history, tracking signs, human impacts, and environmental issues of black bears and wild hogs in the southern Appalachians and GSMNP. A 2-3 mile, easy walk. Limit 20 people. DT: 30 min.	53, 95, 138

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25	N IS REQUIRED – REGISTRATION IS REQUIRED - REGISTRATION IS REQUIRED	O	1:30 PM	4:30 PM	Metcalf Bottoms Picnic Area off of Little River Road (U)	Going Natural in the Garden at Walker Sisters Cabin	Explore the principles of Mother Nature's aesthetic design in wild landscapes and discover ways to incorporate her natural beauty into your garden. Led by Nancy Rennie, a retired landscape designer and horticultural consultant and Margie Hunter, author of *Gardening with Native Plants of Tennessee* . A 2 mile easy walk. Limit 20 people. DT: 40 min.	NONE
26		O	1:30 PM	4:30 PM	Metcalf Bottoms Picnic Area off of Little River Road (U)	Nature Journaling	Art Stupka and Aaron Sharp were early naturalists who documented the biological diversity of the Smokies by keeping journals. Today's nature journals combine sketching, writing, and mixed media to record observations and reflections. Bring an unlined journal and join Mary Priestley, an avid nature journalist, to make a lasting memory of the Pilgrimage and other natural world experiences. Limit 15 people. DT: 40 min. Art supplies can be obtained at Arrowmont School of Art and Crafts.	19, 51, 62, 96
27		F O	1:30 PM	4:30 PM	Noah "Bud" Ogle parking area off of Cherokee Orchard Road (Y)	Wildflower Walk: Noah "Bud" Ogle Trail	See a splendid variety of wildflowers and American chestnut tree remnants in the reforested fields of this farmstead. Short, easy walk. Limit 25 people. DT: 10 min.	47, 94, 137
28		O	1:30 PM	4:30 PM	Greenbrier Ranger Station (K)	Moss Walk Along Injun Creek Trail in Greenbrier	Discover the elegant forms of moss, liverwort, and hornwort and ways to recognize them. Bring a hand lens. A 3-mile, easy walk. Limit 25 people. DT: 30 min.	74, 113, 141
29		O	1:30 PM	4:30 PM	City Parking Lot by Gatlinburg Fire Station on Reagan Dr. (NN)	Salamander Foray from Low to High Elevation	Discover some of the 31 species of woodland and stream-side salamanders, and discuss their unique life history. A 1 mile easy walk. Prepare to get wet and bring a hand lens. Limit 20 people.	61, 117, 165
30		O	1:30 PM	4:30 PM	Metcalf Bottoms Picnic Area off of Little River Road (U)	Tree and Shrub Identification Walk	An introduction to the identification of woody plants. Bring a hand lens. A 2 mile, easy walk. Limit 25 people. DT 40 min.	50, 65, 109
31		O	1:30 PM	4:30 PM	Greenbrier Road terminus at Porters Creek trailhead 4.5 miles from Highway 321 (O)	Wildflower Walk: Porters Creek Trail	Pass old homesteads and a cemetery along this popular trail which leads to an old-growth cove hardwood forest. See a rich variety of wildflowers including painted trillium and many more. A 2-3 mile, moderate hike. Limit 25 people. DT: 30 min.	11, 97, 115, 127, 147, 154
32		NC O	1:45 PM	4:30 PM	Rockefeller Memorial at Newfound Gap to begin car shuttle (BB)	Wildflower Walk: Appalachian Trail from Indian Gap to Newfound Gap	Pass from the closed canopy of the old growth Spruce – Fir forest into the open canopy of a pristine Beech Gap forest where early spring ephemeral wildflowers abound. A 1.5 mile moderate walk. Elevation change 500'. Limit 25 people. DT: 45 min.	72, 103
33		O	1:45 PM	5:15 PM	End of Tremont gravel road (I)	Cascades and Wildflower Walk along Lynn Camp Prong	See myriad wildflowers as you stroll past a number of cascades. A 4 mile moderate walk. Limit 25 people. DT: 45 min.	70, 120
April 25 - Wednesday All Day - - - Wednesday All Day - - - Wednesday All Day - - - Wednesday All Day - - - Wednesday All Day - - - Wednesday All Day								
34	REGISTRATION IS REQUIRED	B-O	7:00 AM	2:00 PM	Cades Cove at Information Kiosk Before Loop Road Entrance (MM)	Birding along Cades Cove Loop Road	Walk with naturalist, birder, and musician Keith Watson to look for and listen to the signs of spring in Cades Cove. Stops will include Sparks and Hyatt Lanes, Burchfield Woods (Red-headed Woodpecker) and sewage ponds. Short, easy walk. Bring binoculars and rain gear. Limit 15 people. DT: 60 min.	2, 3, 4, 35, 40, 41, 42, 43, 75, 76, 85, 86, 87, 105, 121, 122, 123, 131, 132, 133, 158, 159
35		B NC O	7:30 AM	1:00 PM	Oconaluftee Visitor Center (Z)	Birding at Oconaluftee and Collins Creek	Birding in open field and rivulet habitats in the Oconaluftee area (Chipping and White-throated Sparrows) and forested streams in the Collins Creek area (Blackburnian and Black-throated Green Warblers) with birder Don Hendershot. Bring binoculars, lunch, water, rain gear, and comfortable walking shoes. Short, easy walks. Limit 12 people. DT: 60 min.	2, 3, 4, 34, 40, 41, 42, 43, 75, 76, 85, 86, 87, 105, 121, 122, 123, 131, 132, 133, 158, 159
36		O	9:00 AM	4:30 PM	Cosby Picnic Area, Off TN Rt. 32 Hiker Parking Lot on Left (H)	Wildflower Hike: Gabes Mountain Trail	A 6-mile, moderate hike passing through many wildflower displays and old-growth forests from Cosby Picnic Area past the 90' Hen Wallow Falls and beyond. Elevation change: 1,000' ascent. Bring lunch, water, rain gear, and comfortable walking shoes. Limit 25 people. DT: 60 min.	164

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April 25 - Wednesday Evening - - - Wednesday Evening - - - Wednesday Evening - - - Wednesday Evening - - - Wednesday Evening - - - Wednesday Evening								
37	REGISTRATION IS REQUIRED	I	5:30 PM	7:00 PM	Arrowmont School of Arts and Crafts (C)	Artist-of-the-Year Reception at Arrowmont School of Arts and Crafts	Arrowmont School of Arts and Crafts is proud to feature Bob George, the Spring Wildflower Pilgrimage's Artist-of-the-Year. Bob's painting, Fire Pink was selected as the image for this year's Pilgrimage brochure, website, and T-shirt. His artwork will be exhibited in the Geoffrey A. Wolpert Gallery from March 21 through April 29, 2018. A reception will be held on Wednesday, April 25, 5:30-7:00 pm. Refreshments provided. DT: 15 min. No daily Pilgrimage fee or registration required.	NONE
38		I	7:30 PM	8:30 PM	Mills Conference Center rooms Gatlinburg rooms A & B (V)	Biological Diversity on the World Wide Web: Exploration, Inquiry and Opportunity	The general public can add to the world's knowledge of natural history. Zack Murrell will examine opportunities for everyone to participate in efforts to describe and inventory the Earth's biodiversity. New World Wide Web resources are emerging at a rapid pace, offering opportunities for the public to be scientists and explorers. No daily pilgrimage fee or registration required.	82
39		F O	7:30 PM	9:30 PM	Twin Creeks Pavilion off Cherokee Orchard Road (GG)	Nighttime Bat Walk: Twin Creeks Area	Follow chiropterologist Gary McCracken and his bat team to capture a bat, listen to their calls in the night, learn about their lives, their niches in the ecosystem and why it is important to preserve them. Short, easy walk. Bring warm clothes and a flashlight. Limit 50 people. DT: 10 min.	129
40		B-O	8:30 PM	10:30 PM	Sugarlands Visitor Center—park in 2rd lot on right (EE)	Owl Prowl	Listen and learn about the flying predator of the night. This 2-hour Owl Prowl is guided by retired Great Smoky Mountains National Park Ranger Arthur "Butch" McDade. Bring warm clothes and flashlight. Short, easy walk. Limit 25 people. DT: 15 min. Meet at vending/ bathroom area.	85, 131
April 26 - Thursday Morning - - - Thursday Morning - - - Thursday Morning - - - Thursday Morning - - - Thursday Morning - - - Thursday Morning - - - Thursday Morning								
41	REGISTRATION IS REQUIRED – REGISTRATION IS REQUIRED – REGISTRATION IS REQUIRED –	F B O	7:30 AM	11:30 AM	City Parking Lot by Gatlinburg Fire Station on Reagan Dr. (NN)	Birding at Sugarlands and Newfound Gap	Follow Tom Howe, former president of the Knoxville Tenn Ornithological Society, to search for spring migrants and Appalachian specialties starting at Sugarlands and ending at Newfound Gap. Bring binoculars and rain gear. Short, easy walks. Limit 15 people. http://www.knoxvillebirding.org	2, 3, 4, 34, 35, 40, 42, 43, 75, 76, 85, 86, 87, 105, 121, 122, 123, 131, 132, 133, 158, 159
42		B O	7:30 AM	11:30 AM	Townsend "Y" on Little River Road to begin carpool (FF)	Birding On School House Gap Trail.	Scan the trees along a stream for Warblers, Vireos, Scarlet Tanager and American Goldfinch, among other species, with Jay Sturner. Bring binoculars, water, rain gear, and comfortable walking shoes. Limit 15 people. DT: 45 min.	2, 3, 4, 34, 35, 40, 41, 43, 75, 76, 85, 86, 87, 105, 121, 122, 123, 131, 132, 133, 158, 159
43		TR B O	7:30 AM	11:30AM	Townsend "Y" on Little River Road (FF)	Birding at Townsend Wye	Explore the Townsend Wye from the perspective of a bird with Tiffany Beachy from Great Smoky Mountains Institute at Tremont. We will watch the antics of Northern Rough-winged Swallows by the bridge, check on the Eastern Phoebes who nest along the river, search the banks for little tail-bobbing Louisiana Waterthrushes, and venture up the Chestnut Tops trail to look for and listen to a variety of spring migrants. Bring binoculars, water, rain gear, and comfortable walking shoes. Limit 12 people. DT: 45 min.	2, 3, 4, 34, 35, 40, 41, 42, 75, 76, 85, 86, 87, 105, 121, 122, 123, 131, 132, 133, 158, 159
44		T F O	8:00 AM	11:30 AM	Mills Conference Center - Vans (V)	Wildflower Walk: Quiet Walkway	This easy walk from Newfound Gap Road to the river has a rich diversity of wildflowers. Dutchman's pipe vine and pawpaw are usually in flower along the path. A 2-mile, easy walk. Limit 22 people.	14, 60, 91
45		F T O	8:00 AM	11:30 AM	Mills Conference Center - Vans (V)	Wildflower and Wildfire Walk: Chimney Tops	The 11/23/16 Chimney Tops 2 Fire originated on the north peak of Chimney Tops, spreading northward into the Sugarlands Valley over the next several days. Follow plant ecologist, Greg Schmidt, as the trail ascends through an unburned northern hardwood forest with a splendid display of spring wildflowers, ending at an observation platform 1/4 mile from the peaks. Elevation gain 1,400 ft. Strenuous, 3.5 mile walk. Limit 22 people.	5, 89, 135
46		F O	8:00 AM	11:30 AM	City Parking Lot by Gatlinburg Fire Station on Reagan Dr. (NN)	Wildfire in GSMNP One Year Later.	A drought and high winds made the 11/23/16 Chimney Tops 2 Fire more intense than wildfires common to the Southern Appalachian Mountains. Join Fire Ecologist Nicole Turrill Welch on a journey into the aftermath of this fire. Learn about its environmental impacts and how this forest is recovering at Baskins Creek Trail one year later. A 1.5 mile moderate walk. Limit 25 people.	7, 59, 88, 106, 134
47		F O	8:15 AM	11:30 AM	Noah "Bud" Ogle parking area off of Cherokee Orchard Road (Y)	Wildflower Walk: Noah "Bud" Ogle Trail	See a splendid variety of wildflowers and American chestnut tree remnants in the reforested fields of this homestead. Short, easy walk. Limit 25 people. DT: 10 min.	27, 94, 137
48		O	8:15 AM	11:30 AM	Sugarlands Visitor Center Training Room — park in 3rd lot on right (EE)	Point & Shoot Flower Photography	Learn how to improve your wildflower images with a point and shoot camera. Authors Jack Carman (*Wildflowers of Tennessee*) and Robert Hutson *(Great Smoky Mountain Wildflowers: When and Where to Find Them*) give hands-on instruction in composition and photo techniques. Bring a point and shoot camera and tripod. A 2-mile, easy walk. Limit 20 people. DT: 15 min.	1, 8, 63, 108, 139

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49	REGISTRATION IS REQUIRED – REGISTRATION IS REQUIRED – REGISTRATION IS REQUIRED	I	8:15 AM	11:30 AM	Twin Creeks Science and Education Center off Cherokee Orchard Road (GG)	Become a GSMNP Citizen Scientist	Tennessee and North Carolina are home to approximately 1.5 million dried plant specimens. To make a permanently record of a plant species location and genetic information, a plant is collected, pressed, mounted on a paper sheet, and stored in a herbarium. To make each plant's information available globally, a local and international digitizing effort is underway. This program introduces you to the Park's natural history collections which have not been digitized until now. Using the Park's plant specimens, you will photograph the plant sheet, record the plant's location information, then upload the data into an international biodiversity database. Your data entry will be available immediately to researchers and conservation workers around the world. We'll show you ways to engage in these efforts from your home. No experience necessary. Limit 10 people. DT: 10 min.	21, 64, 93, 107, 140, 152
50		O	8:30 AM	11:30 AM	Metcalf Bottoms Picnic Area off of Little River Road (U)	Tree and Shrub Identification Walk	An introduction to identification of woody plants. Bring a hand lens. A 2-mile, easy walk. Limit 25 people. DT: 40 min.	30, 65, 109
51		O	8:30 AM	11:30 AM	Metcalf Bottoms Picnic Area off of Little River Road (U) Picnic Shelter	Nature Journaling	Art Stupka and Aaron Sharp were early naturalists who documented the biological diversity of the Smokies by keeping journals. Today's nature journals combine sketching, writing, and mixed media to record observations and reflections. Bring an unlined journal and join Mary Priestley, an avid nature journalist, to make a lasting memory of the Pilgrimage and other natural world experiences. Limit 15 people. DT: 40 min. Art supplies can be obtained at Arrowmont School of Art and Crafts.	19, 26, 62, 96
52		O	8:30 AM	11:30 AM	Little River Trailhead Past Elkmont Campground (T)	Fern Walk: Little River above Elkmont	Have you ever seen an adder's tongue? Come see a variety of the park's 25 more common ferns and fern allies. Bring a hand lens. A 2-mile, easy walk. Limit 25 people. DT: 30 min.	10, 99, 153
53		O	8:15 AM	11:30 AM	City Parking Lot by Gatlinburg Fire Station on Reagan Dr. (NN)	Black Bear and Wild Hog Walk	Walk with David Whitehead, retired Tennessee Wildlife Resources Agency Manager, as he describes the life history, tracking signs, human impacts, and environmental issues of black bears and wild hogs in the southern Appalachians and GSMNP. A 2-3 mile, easy walk. Limit 20 people.	24, 95, 138
54		F O	8:30 AM	11:30 AM	Chimneys Picnic Area (F)	Wildflower Walk: Cove Hardwood Nature Trail	Observe abundant wildflowers, including dwarf ginseng and fringed phacelia, in this old-growth forest. Short, easy walk. Limit 25 people. DT: 25 min.	9, 67, 142, 155
55		O	8:45 AM	11:30 AM	Rockefeller Memorial at Newfound Gap to rendezvous (BB)	Wildflower Walk: Kanati Fork Trail	An exceptional site to see many species of spring wildflowers including painted trillium and Canada mayflower. A 2-mile, moderate walk. Limit 25 people. DT: 45 min.	73, 116, 157
56		F S O	9:30 AM	11:30 AM	Twin Creeks Gravel Parking Lot off of Cherokee Orchard Road (GG)	Aquatic Insect Diversity Walk	Enjoy short walks on different order streams with Park entomologist Becky Nichols. Learn to collect and identify a variety of insects in pristine streams. Short, easy walk. Limit 16 people. DT: 10 min.	17, 150
April 26 - Thursday Afternoon - - - Thursday Afternoon - - - Thursday Afternoon - - - Thursday Afternoon - - - Thursday Afternoon - - - Thursday Afternoon								
57	REGISTRATION IS REQUIRED – RE	V O	12:30 PM	4:30 PM	Metcalf Bottoms Picnic Area off of Little River Road (U)	The Walker Sisters Cabin and Little Greenbrier School	Meet volunteer Frances Hensley at Metcalf Bottoms and walk to the Little Greenbrier Schoolhouse. There, join long-time school marm Robin Goddard on a stroll back in time to discover the history of the schoolhouse and the famous Walker Sisters. A 3.4 mile moderate hike. Limit 25 people. DT: 40 min.	69, 97
58		T O	1:00 PM	4:30 PM	Mills Conference Center - Vans (V)	Herb Lore of Appalachia	Learn about the edible, medicinal, and otherwise useful plants of our area with Ila Hatter, Wanda DeWaard, and Brittney Hughes. Short, easy walk. Limit 22 people.	101, 136
59		F O	1:00 PM	4:30 PM	City Parking Lot by Gatlinburg Fire Station on Reagan Dr. (NN)	Wildfire in GSMNP One Year Later.	A drought and high winds made the 11/23/16 Chimney Tops 2 Fire more intense than wildfires common to the Southern Appalachian Mountains. Join Fire Ecologist Nicole Turrill Welch on a journey into the aftermath of this fire. Learn about its environmental impacts and how this forest is recovering at Baskins Creek Trail one year later. A 1.5 mile moderate walk. Limit 25 people.	7, 46, 88, 106, 134
60		F T O	1:00 PM	4:30 PM	Mills Conference Center - Vans (V)	Wildflower Walk: Quiet Walkway	This easy walk from Newfound Gap Road to the river has a rich diversity of wildflowers. Dutchman's pipe vine and pawpaw are usually in flower along the path. A 2-mile, easy walk. Limit 22 people.	14, 44, 91
61		O	1:15 PM	4:30 PM	City Parking Lot by Gatlinburg Fire Station on Reagan Dr. (NN)	Salamander Motorcade in the Smokies	Travel to a diversity of habitats to discover some of the 30 species of woodland and aquatic salamanders which reside in the park. Short, easy walks. Prepare to get wet and bring a hand lens. Limit 25 people.	29, 117, 165

A KEY TO THE COLOR BACKGROUND AND OTHER SYMBOLS APPEARS AT THE BOTTOM OF THIS SHEET.

Program Number 2018		Event Category see bottom	Start time	End time	Meeting Place	Title	Description	Similar Programs 2018
62	GISTRATION IS REQUIRED – REGISTRATION IS REQUIRED – REGISTRATION IS REQUIRED – REGISTRATION IS REQUIRED	F O	1:15 PM	4:30 PM	Twin Creeks Pavilion off Cherokee Orchard Road (GG)	Wildflower Sketching by	View wildflowers through the eyes of botanist-artist Maurice Edwards, featured artist at the 2013 Spring Wildflower Pilgrimage. Bring your own art materials. Short, easy walk. Limit 12 people. DT: 10 min. medwards@netscape.com.	19, 26, 51, 96
63		F O	1:15 PM	4:30 PM	City Parking Lot by Gatlinburg Fire Station on Reagan Dr. (NN)	Wildflower Photography Motorcade	Travel with authors Jack Carman (*Wildflowers of Tennessee*) and Robert Hutson (*Great Smoky Mountain Wildflowers: When and Where to Find Them*) to nearby wildflower locations to learn techniques for photographing wildflowers. They provide hands-on instruction and assistance. Short, easy walks. Limit 20 people.	1, 8, 48, 108, 139
64		I	1:15 PM	4:30 PM	Twin Creeks Science and Education Center off Cherokee Orchard Road (GG)	Become a GSMNP Citizen Scientist	Tennessee and North Carolina are home to approximately 1.5 million dried plant specimens. To make a permanently record of a plant species location and genetic information, a plant is collected, pressed, mounted on a paper sheet, and stored in a herbarium. To make each plant's information available globally, a local and international digitizing effort is underway. This program introduces you to the Park's natural history collections which have not been digitized until now. Using the Park's plant specimens, you will photograph the plant sheet, record the plant's location information, then upload the data into an international biodiversity database. Your data entry will be available immediately to researchers and conservation workers around the world. We'll show you ways to engage in these efforts from your home. No experience necessary. Limit 10 people. DT: 10 min.	21, 49, 93, 107, 140, 152
65		S F O	1:30 PM	4:30 PM	Chimneys Picnic Area (F)	Basic Tree Identification in The Cove Hardwood Forest	Take a walk with Park Biologist Glenn Taylor to learn the basics of tree identification in one of the Smokies most diverse forest types. A moderate 1.5 mile walk. Limit 20 people. DT: 25 min.	30, 50, 109
66		F O	1:30 PM	4:30 PM	Chimneys Picnic Area (F)	Wildflower Identification for Beginners	Learn some basic rules for identifying wildflowers. Bring pencil, paper, and hand lens. Short, easy walk. Limit 25 people. DT: 25 min.	100
67		F O	1:30 PM	4:30 PM	Chimneys Picnic Area (F)	Wildflower Walk: Cove Hardwood Nature Trail	Observe abundant wildflowers, including dwarf ginseng and fringed phacelia, in this old-growth forest. Short, easy walk. Limit 25 people. DT: 25 min.	9, 54, 142, 155
68		O	1:30 PM	4:30 PM	Jakes Creek Trailhead past Elkmont Campground (R)	Wildflower Walk: Cucumber Gap Trail	Walk through a secondary cove hardwood forest and enjoy the diversity of wildflowers. This trip ascends toward Cucumber Gap, then returns. A 2-mile, moderate walk. Limit 25 people. DT: 30 min.	16, 125, 144
69		S O	1:45 PM	4:30 PM	Sugarlands Visitor Center—park in 3rd lot on right (EE)	History Walk: Fighting Creek and Forks of the River	Hike with a Park Ranger to learn the history of these communities and see remnants of days gone by. A 2 mile easy walk. Limit 20 people. DT: 15 min.	57, 97
70		O	1:45 PM	4:30 PM	End of Tremont gravel road (I)	Cascades and Wildflower Walk along Lynn Camp Prong	See myriad wildflowers as you stroll past a number of cascades. A 4 mile moderate walk. Limit 25 people. DT: 45 min.	33, 120
71		O	1:45 PM	4:30 PM	Townsend "Y" on Little River Road (FF)	Wildflower Walk: Chestnut Top Trail	One of the grandest wildflower displays in the Smokies. A 2 mile, moderate walk. Limit 15 people. DT: 45 min.	15, 118, 148
72		NC O	1:45 PM	4:30 PM	Rockefeller Memorial at Newfound Gap to begin car shuttle (BB)	Wildflower Walk: Appalachian Trail from Indian Gap to Newfound Gap	Pass from the closed canopy of the old growth Spruce – Fir forest into the open canopy of a pristine Beech Gap forest where early spring ephemeral wildflowers abound. A 1.5 mile moderate walk. Elevation change 500'. Limit 25 people. DT: 45 min.	32, 103
73		NC O	1:45 PM	4:30 PM	Rockefeller Memorial at Newfound Gap to rendezvous (BB)	Wildflower Walk: Kanati Fork Trail	An exceptional site to see many species of spring wildflowers including painted trillium and Canada mayflower. A 2-mile, moderate walk. Limit 25 people. DT: 45 min.	55, 116, 157
74		NC O	1:45 PM	4:30 PM	Rockefeller Memorial at Newfound Gap to rendezvous (BB)	Moss Walk: Sugarlands Mt. Trail at Mt. Collins	Discover the distinctive flora of the high elevation mosses and liverworts along the trail. Bring a hand lens. A 1-2 mile, moderate walk. Limit 20 people. DT: 45 min.	28, 113, 141

A KEY TO THE COLOR BACKGROUND AND OTHER SYMBOLS APPEARS AT THE BOTTOM OF THIS SHEET.

Program Number 2018		Event Category see bottom	Start time	End time	Meeting Place	Title	Description	Similar Programs 2018
April 26 - Thursday All Day - - - Thursday All Day - - - Thursday All Day - - - Thursday All Day - - - Thursday All Day - - - Thursday All Day - - - Thursday All Day								
75	REGISTRATION IS REQUIRED – REGISTRATION IS REQUIRED	B O	7:00 AM	1:00 PM	Rockefeller Memorial at Newfound Gap to rendezvous (BB)	Birding from Newfound Gap to Clingmans Dome	Join Keith Watson, naturalist, birder, and musician; and Roger Hedge, Indiana Natural Heritage Program ecologist to look and listen for spring migrants and Appalachian specialties along Clingmans Dome Road. Short, easy walks. Bring binoculars, lunch, water, rain gear, and comfortable walking shoes. Limit 15 people. DT: 45 min.	2, 3, 4, 34, 35, 40, 41, 42, 43, 76, 85, 86, 87, 105, 121, 122, 123, 131, 132, 133, 158, 159
76		B O	7:30 AM	1:00 PM	City Parking Lot by Gatlinburg Fire Station on Reagan Dr. (NN)	Birding and Wildflower Motorcade: Sugarlands to Cades Cove	Birders Don Hendershot and Fred Holtzclaw will stop along the loop to explore birds in the Cove's varied habitats, including pine-and-oak forests, streams and wetlands, and open fields. Short, easy walks. Bring binoculars, lunch, water, rain gear, and comfortable walking shoes. Limit 15 people.	2, 3, 4, 34, 35, 40, 41, 42, 43, 75, 85, 86, 87, 105, 121, 122, 123, 131, 132, 133, 158, 159
77		O	8:30 AM	4:30 PM	Greenbrier Road, carpool from first parking lot on right, 200 feet from Route 321 (M)	Trilliums and Violets of the Smokies Walk	Travel with botanists Tom Patrick, Georgia Natural Heritage Program; and Rick Phillippe, Illinois Natural History Survey, to focus on the biology and diversity of trilliums and violets in the park. Short, easy walks. Bring a hand lens, lunch, water, rain gear, and comfortable walking shoes. Limit 20 people. DT: 30 min.	23, 114
78		F O	8:30 AM	4:30 PM	Fighting Creek Gap (J)	Forest Forensics	Join ecologist Paul Durr and botanist Ken McFarland to analyze clues of natural and human induced impacts on trees and forests. The journey will include stops at different vegetation biomes to discuss their distribution on the landscape and evaluate their long-term survival in the wake of factors such as climate change or fire. Short, easy walks en route. Bring lunch, water, rain gear, and comfortable walking shoes. Limit 20 people. DT: 15 min	NONE
79		O	8:30 AM	4:30 PM	Greenbrier Road, carpool from picnic area, 2.5 miles from Route 321 (N)	Wildflower Hike: Old Settlers Trail	Walking through these former homesteads, discover the many wildflowers now growing in the abandoned fields and among the stone chimneys and fences. Elevation change: 700' ascent. A 6-8 mile, strenuous hike. Bring lunch, water, rain gear, and comfortable walking shoes. Limit 25 people. DT: 30 min.	22, 102
80		O	8:30 AM	4:30 PM	Metcalf Bottoms Picnic Area off of Little River Road to begin carpool (U)	Wildflower Hike: Meigs Creek & Curry Mtn. trails Loop	Numerous species of wildflowers are scattered along this trail as we pass through several wet and dry habitats. An 8.7-mile, strenuous loop hike from Metcalf Bottoms to the Sinks. Encounter sixteen non-bridge stream crossings and waterfalls. Elevation change: 1,400' ascent. Bring lunch, water, rain gear, and comfortable walking shoes. Limit 20 people. DT: 40 min.	NONE
81		O	9:30 AM	4:30 PM	Abrams Falls parking area in Cades Cove (S)	Wildflower Hike: Abrams Falls Trail	Stroll along this river trail to discover wildflowers like gay wings which flourish in this limestone valley. View one of the Park's more picturesque waterfalls. Elevation change: 500' ascent. A 5-mile, moderate hike. Bring lunch, water, rain gear, and comfortable walking shoes. Limit 25 people. DT: 75 min.	126
April 26 - Thursday Evening - - - Thursday Evening - - - Thursday Evening - - - Thursday Evening - - - Thursday Evening - - - Thursday Evening - - - Thursday Evening								
82	REGISTRATION IS REQUIRED	I	7:30 PM	8:30 PM	Mills Conference Center rooms Gatlinburg A & B (V)	Great Smoky Mountains All Taxa Biodiversity Inventory Update	Todd Witcher. Discover Life in America (DLIA), coordinates the All Taxa Biodiversity Inventory (ATBI) to catalog every living creature in Great Smoky Mountains National Park. In a few short years scientists have discovered an astonishing 986 species new to science, and 9,196 species previously unknown within the Park. Todd will introduce some of the fascinating new species discoveries.	38
83		O	7:00 PM	9:30 PM	Greenbrier Road Terminus at Porters Creek Trailhead 4.5 Miles from Route 321 (O)	Wildflowers By Light; Sights and Sounds at Night on Porters Creek Trail	Experience the Smokies like the folks who lived there. Join naturalists Annette Ranger and Doris Gove on a walk at dusk to the hiker's cabin to enjoy dinner on the porch. Observe wildflowers closing along the trail as night falls. See the sights and listen to sounds of the night wilderness as you eat. Bring your own food and beverage (**NOT REQUIRED**), warm clothes, flashlight (extra batteries) and hand lens. Moderate 2 mile walk. Limit 20 people. DT: 35 min.	11, 31, 97, 115, 127, 147, 154
84		F O	8:30 PM	10:30 PM	Twin Creeks Pavilion off Cherokee Orchard Road (GG)	Bugs at Light	If you want to see some really cool insects, join entomologist Stylianos Chatzimanolis as he attracts nocturnal moths, beetles and a wide diversity of other insects using a black light. Dress warmly, bring a headlamp or flashlight, and hand lens. No trail walking. Limit 25 people. DT: 10 min.	130
85		F B O	9:00 PM	10:30 PM	Mynatt Park Parking Area off of Cherokee Orchard Road to begin carpool (X)	Night Owl Prowl	Come listen and learn about the flying predator of the night. This 1.5-hour Owl Prowl is guided by naturalists and birders Karen LaMere and Jay Sturner along the Cherokee Orchard Road. Bring warm clothes and flashlight. Short, easy walk. Limit 25 people. DT: 10 min.	40, 131

A KEY TO THE COLOR BACKGROUND AND OTHER SYMBOLS APPEARS AT THE BOTTOM OF THIS SHEET.

REGISTRATION IS REQUIRED – REGISTRATION IS REQUIRED – REGISTRATION IS REQUIRED – REGISTRATION IS REQUIRED – RE

Program Number 2018	Event Category see bottom	Start time	End time	Meeting Place	Title	Description	Similar Programs 2018
April 27 - Friday Morning - - - Friday Morning - - - Friday Morning - - - Friday Morning - - - Friday Morning - - - Friday Morning - - - Friday Morning - - - Friday Morning							
86	V B O	7:30AM	10:00 AM	Cades Cove Campground Store Parking Lot (MM)	Birding at the East end of Cades Cove	Join National Park Service Volunteer Warren Bielenberg and Outdoor Educator, Wanda DeWaard, for a bird walk at the east end of Cades Cove. See and hear birds of the forest and streamside. Birders of all levels welcome. Bring binoculars. A 1.5 mile easy walk. Limit 15 people. DT: 60 min. Note: Warren and Wanda will also be leading the Friday afternoon birding program along the Cades Cove Loop Rd. Register for event # 105.	2, 3, 4, 34, 35, 40, 41, 42, 43, 75, 76, 85, 87, 105, 121, 122, 123, 131, 132, 133, 158, 159
87	B O	7:30 AM	11:30 AM	Townsend "Y" on Little River Road to begin carpool (FF)	Birding On School House Gap Trail.	Scan the trees along a stream for Warblers, Vireos, Scarlet Tanager and American Goldfinch, among other species, with Tom Howe, former president of the Knoxville Tenn Ornithological Society. Bring binoculars, water, rain gear, and comfortable walking shoes. Limit 15 people. DT: 45 min. http://www.knoxvillebirding.org	2, 3, 4, 34, 35, 40, 41, 42, 43, 75, 76, 85, 86, 105, 121, 122, 123, 131, 132, 133, 158, 159
88	F O	8:00 AM	11:30 AM	City Parking Lot by Gatlinburg Fire Station on Reagan Dr. (NN)	Wildfire in GSMNP One Year Later.	A drought and high winds made the 11/23/16 Chimney Tops 2 Fire more intense than wildfires common to the Southern Appalachian Mountains. Join Fire Ecologist Nicole Turrill Welch on a journey into the aftermath of this fire. Learn about its environmental impacts and how this forest is recovering at Baskins Creek Trail one year later. A 1.5 mile moderate walk. Limit 25 people.	7, 46, 59, 106, 134
89	F T O	8:00 AM	11:30 AM	Mills Conference Center - Vans (V)	Wildflower and Wildfire Walk: Chimney Tops	The 11/23/16 Chimney Tops 2 Fire originated on the north peak of Chimney Tops, spreading northward into the Sugarlands Valley over the next several days. Follow plant ecologist, Gary Walker, as the trail ascends through an unburned northern hardwood forest with a splendid display of spring wildflowers, ending at an observation platform 1/4 mile from the peaks. Elevation gain 1,400 ft. Strenuous, 3.5 mile walk. Limit 22 people.	5, 45, 135
90	TO	8:00 AM	11:30 AM	Mills Conference Center - Vans (V)	Wildflower Walk: Huskey Gap Trail	Walk the old trail that connected the settlers of Sugarlands Valley and Little River as you view the wildflower displays and homesites along the way. Elevation change: 1,000'. An 2-mile, moderate walk. Limit 22 people.	6, 124, 145
91	T F O	8:00 AM	11:30 AM	Mills Conference Center - Vans (V)	Wildflower Walk: Quiet Walkway	This easy walk from Newfound Gap Road to the river has a rich diversity of wildflowers. Dutchman's pipe vine and pawpaw are usually in flower along the path. A 2 mile, easy walk. Limit 22 people.	14, 44, 60
92	F O	8:15 AM	11:30 AM	Twin Creeks Pavilion off Cherokee Orchard Road (GG)	Native People's Use of Nature's Garden	Gather at the cook fire with Native American Karen LaMere (Ho-Chunk) and listen to an oral history which has been passed down through the generations by America's indigenous people. Taste and discover ingenious uses of native plants. Short, easy walk. Limit 25 people. DT: 10 min.	13, 20, 112
93	I	8:15 AM	11:30 AM	Twin Creeks Science and Education Center off Cherokee Orchard Road (GG)	Become a GSMNP Citizen Scientist	Tennessee and North Carolina are home to approximately 1.5 million dried plant specimens. To make a permanently record of a plant species location and genetic information, a plant is collected, pressed, mounted on a paper sheet, and stored in a herbarium. To make each plant's information available globally, a local and international digitizing effort is underway. This program introduces you to the Park's natural history collections which have not been digitized until now. Using the Park's plant specimens, you will photograph the plant sheet, record the plant's location information, then upload the data into an international biodiversity database. Your data entry will be available immediately to researchers and conservation workers around the world. We'll show you ways to engage in these efforts from your home. No experience necessary. Limit 10 people. DT: 10 min.	21, 49, 64, 107, 140, 152
94	F O	8:15 AM	11:30 AM	Noah "Bud" Ogle parking area off of Cherokee Orchard Road (Y)	Wildflower Walk: Noah "Bud" Ogle Trail	See a splendid variety of wildflowers and American chestnut tree remnants in the reforested fields of this homestead. Short, easy walk. Limit 25 people. DT: 10 min.	27, 47, 137
95	O	8:15 AM	11:30 AM	City Parking Lot by Gatlinburg Fire Station on Reagan Dr. (NN)	Black Bear and Wild Hog Walk	Walk with David Whitehead, retired Tennessee Wildlife Resources Agency Manager, as he describes the life history, tracking signs, human impacts, and environmental issues of black bears and wild hogs in the southern Appalachians and GSMNP. A 2-3 mile, easy walk. Limit 20 people.	24, 53, 138
96	F O	8:15 AM	11:30 AM	Twin Creeks Pavilion off Cherokee Orchard Road (GG)	Wildflower Sketching by Maurice Edwards	View wildflowers through the eyes of botanist-artist Maurice Edwards, featured artist at the 2013 Spring Wildflower Pilgrimage. Bring your own art materials. Short, easy walk. Limit 12 people. DT: 10 min. medwards@netscape.com.	19, 26, 51, 62
97	V O	8:30 AM	11:30 AM	Greenbrier Road Terminus at Porters Creek Trailhead 4.5 Miles from Route 321 (O)	Wildflowers, Folklore and History of Big Greenbrier	Discover a diversity of wildflowers and hear stories of days gone by with Park Volunteer Frances Hensley, also known as Granny Frannie. A 3.5 mile, moderate hike. Limit 20 people. DT: 30 min.	57, 69

A KEY TO THE COLOR BACKGROUND AND OTHER SYMBOLS APPEARS AT THE BOTTOM OF THIS SHEET.

Program Number 2018		Event Category see bottom	Start time	End time	Meeting Place	Title	Description	Similar Programs 2018
98	EGISTRATION IS REQUIRED – REGISTRATION IS REQUIRED	O	8:30 AM	11:30 AM	Metcalf Bottoms Picnic Area off of Little River Road (U)	Land Navigation with Maps and GPS for Beginners	Learn land navigation techniques using maps, compass and pace counts. Also, instructions on how to use your GPS device or smart phone map to record routes, find waypoints and destinations. Bring your GPS device or smart phone and a compass. A 1-2 mile, easy walk. Limit 25 people. DT: 40 min.	110, 146, 156
99		O	8:30 AM	11:30 AM	Greenbrier Road, carpool from picnic area, 2.5 miles from Route 321 (N)	Fern Walk: Greenbrier Cove	Have you ever seen an adder's tongue? Come see a variety of the park's more common ferns and fern allies. Bring a hand lens. A 2-mile, easy walk. Limit 25 people. DT: 30 min.	10, 52, 153
100		F O	8:30 AM	11:30 AM	Chimneys Picnic Area (F)	Wildflower Identification for Beginners	Learn some basic rules for identifying wildflowers. Bring pencil, paper, and hand lens. Short, easy walk. Limit 25 people. DT: 25 min.	66
101		O	8:30 AM	11:30 AM	Metcalf Bottoms Picnic Area off of Little River Road (U)	Forest Foods and Pharmacy	Learn about the edible, medicinal, and otherwise useful plants of our area with Ila Hatter and Brittney Hughes. A 3 mile, easy walk. Limit 25 people. DT: 40 min.	58, 136
102		O	8:30 AM	11:30 AM	Greenbrier Road, carpool from picnic area, 2.5 miles from Route 321 (N)	Wildflower Walk: Old Settlers Trail	Walking through these former homesteads, discover the many wildflowers now growing in the abandoned fields and among the stone chimneys and fences. Elevation change: 200' ascent. A 2 mile, moderate walk. Limit 25 people. DT: 30 min.	22, 79
103		NC O	8:45 AM	11:30 AM	Rockefeller Memorial at Newfound Gap to begin car shuttle (BB)	Wildflower Walk: Appalachian Trail from Indian Gap to Newfound Gap	Pass from the closed canopy of the old growth Spruce – Fir forest into the open canopy of a pristine Beech Gap forest where early spring ephemeral wildflowers abound. A 1.5 mile moderate walk. Elevation change 500'. Limit 25 people. DT: 45 min.	32, 72
104		O	8:45 AM	11:30 AM	Metcalf Bottoms Picnic Area off of Little River Road (U)	Yoga Class at Walker Sisters Cabin	Join Michelle Harris and Emily Shaw on a journey to the Walker Sisters Cabin on the Metcalf Bottoms Trail to exercise and relax in this serene environment. Bring an exercise mat or large towel and water. A 4 mile moderate hike. Limit 25 people. DT: 40 min.	149
April 27 - Friday Afternoon - - - Friday Afternoon - - - Friday Afternoon - - - Friday Afternoon - - - Friday Afternoon - - - Friday Afternoon - - - Friday Afternoon								
105	REGISTRATION IS REQUIRED – REGISTRATION IS REQUIRED – R	V B O	1:00 PM	4:30 PM	Cades Cove Campground Store Parking Lot (MM)	Birding Along Cades Cove Loop Road	Join National Park Service Volunteer Warren Bielenberg and Outdoor Educator, Wanda DeWaard for birding in a diversity of habitats along the Loop Road. Birders of all levels welcome. Bring binoculars. Short, easy walks. Limit15 people. DT: 60 min. Note: Warren and Wanda will also be leading the Friday morning birding program at the east end of Cades Cove. Register for event #86.	2, 3, 4, 34, 35, 40, 41, 42, 43, 75, 76, 85, 86, 87, 121, 122, 123, 131, 132, 133, 158, 159
106		F O	1:00 PM	4:30 PM	City Parking Lot by Gatlinburg Fire Station on Reagan Dr. (NN)	Wildfire in GSMNP One Year Later	A drought and high winds made the 11/23/16 Chimney Tops 2 Fire more intense than wildfires common to the Southern Appalachian Mountains. Join Fire Ecologist Nicole Turrill Welch on a journey into the aftermath of this fire. Learn about its environmental impacts and how this forest is recovering at Baskins Creek Trail one year later. A 1.5 mile moderate walk. Limit 25 people.	7, 46, 59, 88, 134
107		I	1:15 PM	4:30 PM	Twin Creeks Science and Education Center off Cherokee Orchard Road (GG)	Become a GSMNP Citizen Scientist	Tennessee and North Carolina are home to approximately 1.5 million dried plant specimens. To make a permanently record of a plant species location and genetic information, a plant is collected, pressed, mounted on a paper sheet, and stored in a herbarium. To make each plant's information available globally, a local and international digitizing effort is underway. This program introduces you to the Park's natural history collections which have not been digitized until now. Using the Park's plant specimens, you will photograph the plant sheet, record the plant's location information, then upload the data into an international biodiversity database. Your data entry will be available immediately to researchers and conservation workers around the world. We'll show you ways to engage in these efforts from your home. No experience necessary. Limit 10 people. DT: 10 min.	21, 49, 64, 93, 140, 152
108		O	1:15 PM	4:30 PM	Sugarlands Visitor Center Training Room — park in 3rd lot on right (EE)	Advanced Flower Photography for SLR Camera	Learn how to improve your wildflower images with SLR. Authors Jack Carman (*Wildflowers of Tennessee*) and Robert Hutson (*Great Smoky Mountain Wildflowers: When and Where to Find Them*) give a short visual presentation, then migrate outside for hands-on instruction in composition and photo technique. Bring SLR camera and tripod. A 2-mile, easy walk. Limit 20 people. DT: 15 min.	1, 8, 48, 63, 139
109		O	1:30 PM	4:30 PM	Metcalf Bottoms Picnic Area off of Little River Road (U)	Tree and Shrub Identification Walk	An introduction to identification of woody plants. Bring a hand lens. A 2-mile, easy walk. Limit 25 people. DT: 40 min	30, 50, 65

A KEY TO THE COLOR BACKGROUND AND OTHER SYMBOLS APPEARS AT THE BOTTOM OF THIS SHEET.

Program Number 2018		Event Category see bottom	Start time	End time	Meeting Place	Title	Description	Similar Programs 2018
110	REGISTRATION IS REQUIRED – REGISTRATION IS REQUIRED – REGISTRATION IS REQUIRED	O	1:30 PM	4:30 PM	Metcalf Bottoms Picnic Area off of Little River Road (U)	Land Navigation with Maps and GPS for Beginners	Learn land navigation techniques using maps, compass and pace counts. Also, instructions on how to use your GPS device or smart phone map to record routes, find waypoints and destinations. Bring your GPS device or smart phone and a compass. A 1-2 mile, easy walk. Limit 25 people. DT: 40 min.	98, 146, 156
111		O	1:30 PM	4:30 PM	Metcalf Bottoms Picnic Area off of Little River Road (U)	Bugs and Butterflies Walk	Walk with entomologist Will Kuhn to discover the diversity and beauty of the largest group of macro-organisms in the Park. Bring a hand lens. Short, easy walk. Limit 25 people. DT: 40 min.	18
112		F O	1:30 PM	4:30 PM	Twin Creeks Pavilion off Cherokee Orchard Road (GG)	Native People's Use of Nature's Garden	Gather at the cook fire with Native American Karen LaMere (Ho-Chunk) and listen to an oral history which has been passed down through the generations by America's indigenous people. Taste and discover ingenious uses of native plants. Short, easy walk. Limit 25 people. DT: 10 min.	13, 20, 92
113		O	1:30 PM	4:30 PM	Greenbrier Ranger Station (K)	Moss Walk: Injun Creek Trail in Greenbrier	Discover the elegant forms of moss, liverwort, and hornwort and ways to recognize them. Bring a hand lens. A 3-mile, easy walk. Limit 25 people. DT: 30 min.	28, 74, 141
114		O	1:30 PM	4:30 PM	Greenbrier Road, carpool from first parking lot on right, 200 feet from Route 321 (M)	Trilliums of the Smokies Walk	Travel with Tom Patrick, botanist with the Georgia Natural Heritage Program and trillium expert, to focus on the biology and diversity of trilliums in the park. Short, easy walks. Bring a hand lens. Limit 20 people. DT: 30 min.	23, 77
115		O	1:30 PM	4:30 PM	Greenbrier Road terminus at Porters Creek trailhead 4.5 miles from Highway 321 (O)	Wildflower Walk: Porters Creek Trail	Pass old homesteads and a cemetery along this popular trail which leads to an old-growth cove hardwood forest. See a rich variety of wildflowers including painted trillium and many more. A 2-3 mile, moderate hike. Limit 25 people. DT:30 min.	11, 31, 83, 97, 127, 147, 154
116		O	1:45 PM	4:30 PM	Rockefeller Memorial at Newfound Gap to rendezvous (BB)	Wildflower Walk: Kanati Fork Trail	An exceptional site to see many species of spring wildflowers including painted trillium and Canada mayflower. A 2-mile, moderate walk. Limit 25 people. DT: 45 min.	55, 73, 157
117		O	1:45 PM	4:30 PM	Cosby Picnic Area, Off TN Rt. 32 Hiker Parking Lot on Left (H)	Salamander Walk: Cosby Picnic Area	Discover some of the 30 species of woodland and aquatic salamanders which reside in the Park. Prepare to get wet and bring a hand lens. Elevation change: 300' ascent. A 2 mile, easy walk. Limit 25 people. DT: 60 min.	29, 61, 165
118		O	1:45 PM	4:30 PM	Townsend "Y" on Little River Road (FF)	Wildflower Walk: Chestnut Top Trail	One of the grandest wildflower displays in the Smokies. A 2 mile, moderate walk. Limit 15 people. DT: 45 min.	15, 71, 148
119		O	1:45 PM	4:30 PM	Cosby Picnic Area, Off TN Rt. 32 Hiker Parking Lot on Left (H)	Fungal Roles in Forest Ecology	Fungi are essential organisms in the nutrient and life cycles within ecosystems. Learn from mycologists Ed Lickey, Coleman McCleneghan, and Andy Methven about fungal biology and its importance in the forest ecosystem. Leaders will also discuss classification and edible vs. poisonous fungi. A 2-3 mile, easy walk. Limit 25 people DT: 60 min.	12, 161
120		O	1:45 PM	4:30 PM	End of Tremont gravel road (I)	Cascades and Wildflower Walk along Lynn Camp Prong	See myriad wildflowers as you stroll past a number of cascades. A 4 mile moderate walk. Limit 25 people. DT: 45 min.	33, 70
April 27 - Friday All Day - - - Friday All Day - - - Friday All Day - - - Friday All Day - - - Friday All Day - - Friday All Day - - - Friday All Day - - - Friday All Day								
121	REGISTRATION IS REQUIRED – REGIS	B O	7:00 AM	1:00 AM	City Parking Lot by Gatlinburg Fire Station on Reagan Dr. (NN)	Birding at Sugarlands and Cove Hardwood Nature Trail	Naturalist, birder, and musician Keith Watson, leads a search for spring migrants and Appalachian specialties at Sugarlands Visitor Center and the Blackthroated Blue Warbler at Cove Hardwood Nature Trail. Bring binoculars and rain gear. Short, easy walks. Limit 15 people.	2, 3, 4, 34, 35, 40, 41, 42, 43, 75, 76, 85, 86, 87, 105, 122, 123, 131, 132, 133, 158, 159
122		F B O	7:30 AM	1:00 PM	Mynatt Park Parking Area off of Cherokee Orchard Road to begin carpool (X)	Birding and Wildflower Motorcade: Mynatt Park to Newfound Gap	Starting at a low elevation, plant and bird naturalists Fred Holtzclaw and Don Hendershot guide the group to sites along US 441 to observe a diversity of birds as elevation increases. Short, easy walks. Bring binoculars, lunch, water, rain gear, and comfortable walking shoes. Limit 15 people. DT: 10 min.	2, 3, 4, 34, 35, 40, 41, 42, 43, 75, 76, 85, 86, 87, 105, 121, 123, 131, 132, 133, 158, 159
123		B O	7:30 AM	2:00 PM	Alum Cave Trailhead: 8.7 miles south on US 441 from Sugarlands Visitor Center (LL)	Birds on Alum Cave Trail	With naturalist, birder, Jay Sturner, look for Peregrine Falcons, Black-throated Blues, Black-throated Greens, Blue-headed Vireos, and possibly Canada and Blackburnian Warblers. Listen to the signs of spring in the Park's middle elevations. Pass through Arch Rock, view the Eye of the Needle, and Alum Cave Bluff. Elevation change 1100'. A 4.6 mile strenuous hike. Bring binoculars, lunch, water, rain gear, and comfortable walking shoes. Limit 15 people. DT: 35 min.	2, 3, 4, 34, 35, 40, 41, 42, 43, 75, 76, 85, 86, 87, 105, 121, 122, 131, 132, 133, 158, 159

A KEY TO THE COLOR BACKGROUND AND OTHER SYMBOLS APPEARS AT THE BOTTOM OF THIS SHEET.

Program Number 2018		Event Category see bottom	Start time	End time	Meeting Place	Title	Description	Similar Programs 2018
124	TRATION IS REQUIRED – REGISTRATION IS REQUIRED	T O	8:15 AM	4:30 PM	Mills Conference Center - Vans (V)	Wildflower Walk: Huskey Gap, Cucumber Gap to Jakes Creek trail and the Avent Cabin	CAUTION: VERY PHYSICALLY CHALLENGING! For the experienced hiker only! Follow Doris Gove, author of *Exploring the Appalachian Trail: Georgia, North Carolina, Tennessee* , on a one way trek on Huskey Gap, Cucumber Gap and Jakes Creek trails to the Avent Cabin. Maximum elevation change 1,500'. A 6 mile strenuous one way hike. Bring lunch, water, rain gear, and comfortable walking shoes. See Backcountry Hike Suggestions. Limit 20 people.	6, 90, 145
125		O	8:30 AM	4:30 PM	Jakes Creek Trailhead past Elkmont Campground (R)	Wildflower Hike: Cucumber Gap Trail	Walk through a cove hardwood forest and enjoy many wildflowers. Along this trail you could encounter painted trillium, Dutchman's pipe, yellow-wood and pawpaw in flower. Elevation change: 400'. A 5-mile, moderate hike. Bring lunch, water, rain gear, and comfortable walking shoes. Limit 25 people. DT: 30 min.	16, 68, 144
126		O	9:30 AM	4:30 PM	Abrams Falls parking area in Cades Cove (S)	Wildflower Hike: Abrams Falls Trail	Stroll along this river trail to discover wildflowers like gay wings which flourish in this limestone valley. View one of the Park's more picturesque waterfalls. Elevation change: 500' ascent. A 5-mile, moderate hike. Bring lunch, water, rain gear, and comfortable walking shoes. Limit 25 people. DT: 75 min.	81
127		O	8:30 AM	4:30 PM	Greenbrier Road terminus at Porters Creek trailhead 4.5 miles from Route 321 (O)	Wildflower Hike: Porters Creek Trail	Highlights of this hike include painted trillium, fields of phacelia, old home sites, a cemetery, and old-growth forest. Elevation change: 600' ascent. A 6-7 mile, moderate hike. Bring lunch, water, rain gear, and comfortable walking shoes. Limit 25 people. DT: 30 min.	11, 31, 83, 97, 115, 147, 154
128		NC O	9:30 AM	4:30 PM	Mt. Sterling Gap on Old NC 284, 7 miles southeast of Big Creek to begin car shuttle (W)	Wildflower Hike: Long Bunk, Mt. Sterling, and Little Cataloochee Trails	A splendid wildflower show awaits those who venture on these little-traveled trails which lead through a rich, second-growth forest. Elevation change: 1,120' descent. A 5.2-mile, moderate, one-way hike. Bring lunch, water, rain gear, a hand lens, and comfortable walking shoes. Limit 25 people. DT: 70 min.	NONE
April 27 - Friday Evening - - - Friday Evening - - - Friday Evening - - - Friday Evening - - - Friday Evening - - - Friday Evening - - - Friday Evening - - - Friday Evening								
129	REGISTRATION IS	F O	7:30 PM	9:30 PM	Twin Creeks Pavilion off Cherokee Orchard Road (GG)	Nighttime Bat Walk: Twin Creeks Area	Follow chiropterologist Gary McCracken and his bat team to capture a bat, listen to their calls in the night, learn about their lives, their niches in the ecosystem and why it is important to preserve them. Short, easy walk. Bring warm clothes and a flashlight. Limit 50 people. DT: 10 min.	39
130		F O	8:30 PM	10:30 PM	Twin Creeks Pavilion off Cherokee Orchard Road (GG)	Bugs at Light	If you want to see some really cool insects, join entomologist Stylianos Chatzimanolis as he attracts nocturnal moths, beetles and a wide diversity of other insects using a black light. Dress warmly, bring a headlamp or flashlight, and hand lens. No trail walking. Limit 25 people. DT: 10 min.	84
131		F B O	9:00 PM	10:30 PM	Mynatt Park Parking Area off of Cherokee Orchard Road to begin carpool (X)	Night Owl Prowl	Come listen and learn about the flying predator of the night. This 1.5-hour Owl Prowl is guided by naturalist and birder Karen LaMere along the Cherokee Orchard Road. Bring warm clothes and flashlight. Short, easy walk. Limit 25 people. DT: 10 min	40, 85
April 28 - Saturday Morning - - - Saturday Morning - - - Saturday Morning - - - Saturday Morning - - - Saturday Morning - - - Saturday Morning - - - Saturday Morning								
132	REGISTRATION IS REQUIRED – REGISTRATION IS	F B O	7:30 AM	11:30 AM	City Parking Lot by Gatlinburg Fire Station on Reagan Dr. (NN)	Birding at Sugarlands and Cove Hardwood Nature Trail	Jay Sturner leads a search for spring migrants and Appalachian specialties at Sugarlands Visitor Center, and the Blackthroated Blue Warbler at Cove Hardwood Nature Trail. Bring binoculars and rain gear. Short, easy walks. Limit 15 people.	2, 3, 4, 34, 35, 40, 41, 42, 43, 75, 76, 85, 86, 87, 105, 121, 122, 123, 131, 133, 158, 159
133		B O	8:00 AM	11:30 AM	Townsend "Y" on Little River Road to begin carpool (FF)	Birding on School House Gap Trail.	Scan the trees along a stream for Warblers, Vireos and Scarlet Tanager with Roger Hedge, Ecologist with Indiana Natural Heritage Program. Bring binoculars, water, rain gear, and comfortable walking shoes. Limit 12 people. DT: 45 min.	2, 3, 4, 34, 35, 40, 41, 42, 43, 75, 76, 85, 86, 87, 105, 121, 122, 123, 131, 132, 158, 159
134		F O	8:00 AM	11:30 AM	City Parking Lot by Gatlinburg Fire Station on Reagan Dr. (NN)	Wildfire in GSMNP One Year Later	A drought and high winds made the 11/23/16 Chimney Tops 2 Fire more intense than wildfires common to the Southern Appalachian Mountains. Join Fire Ecologist Nicole Turrill Welch on a journey into the aftermath of this fire. Learn about its environmental impacts and how this forest is recovering at Baskins Creek Trail one year later. A 1.5 mile moderate walk. Limit 25 people.	7, 46, 59, 88, 106
135		F T O	8:00 AM	11:30 AM	Mills Conference Center - Vans (V)	Wildflower and Wildfire Walk: Chimney Tops	The 11/23/16 Chimney Tops 2 Fire originated on the north peak of Chimney Tops, spreading northward into the Sugarlands Valley over the next several days. Follow plant ecologist, Chris Fleming, as the trail ascends through an unburned northern hardwood forest with a splendid display of spring wildflowers, ending at an observation platform 1/4 mile from the peaks. Elevation gain 1,400 ft. Strenuous, 3.5 mile walk. Limit 22 people.	5, 45, 89

A KEY TO THE COLOR BACKGROUND AND OTHER SYMBOLS APPEARS AT THE BOTTOM OF THIS SHEET.

Program Number 2018		Event Category see bottom	Start time	End time	Meeting Place	Title	Description	Similar Programs 2018
136	REQUIRED – REGISTRATION IS REQUIRED – REGISTRATION IS REQUIRED – REGISTRATION IS REQUIRED – REGISTRATION IS REQUIRED	T O	8:00 AM	11:30 AM	Mills Conference Center - Vans (V)	Wildcrafting Walk	Learn about the edible, medicinal, and otherwise useful plants of our area with Ila Hatter, Wanda DeWaard, and Brittney Hughes. Short, easy walk. Limit 22 people.	14, 44, 58, 60, 91
137		F O	8:15 AM	11:30 AM	Noah "Bud" Ogle parking area off of Cherokee Orchard Road (Y)	Wildflower Walk: Noah "Bud" Ogle Trail	See a splendid variety of wildflowers and American chestnut tree remnants in the reforested fields of this homestead. Short, easy walk. Limit 25 people. DT: 10 min.	27, 47, 94
138		O	8:15 AM	11:30 AM	City Parking Lot by Gatlinburg Fire Station on Reagan Dr. (NN)	Black Bear and Wild Hog Walk	Walk with David Whitehead, retired Tennessee Wildlife Resources Agency Manager, as he describes the life history, tracking signs, human impacts, and environmental issues of black bears and wild hogs in the southern Appalachians and GSMNP. A 2-3 mile, easy walk. Limit 20 people.	24, 53, 95
139		F O	8:15 AM	11:30 AM	Sugarlands Visitor Center Training Room - park in 3rd lot on right (EE)	Photography Workshop	This program starts with a short visual presentation, then goes outdoors for hands-on instruction in composition and photo techniques by authors Jack Carman (*Wildflowers of Tennessee*) and Robert Hutson (*Great Smoky Mountain Wildflowers: When and Where to Find Them*). Bring a camera and tripod. A 2-mile, easy walk. Limit 20 people. DT: 15 min.	1, 8, 48, 63, 108
140		I	8:15 AM	11:30 AM	Twin Creeks Science and Education Center off Cherokee Orchard Road (GG)	Become a GSMNP Citizen Scientist	Tennessee and North Carolina are home to approximately 1.5 million dried plant specimens. To make a permanently record of a plant species location and genetic information, a plant is collected, pressed, mounted on a paper sheet, and stored in a herbarium. To make each plant's information available globally, a local and international digitizing effort is underway. This program introduces you to the Park's natural history collections which have not been digitized until now. Using the Park's plant specimens, you will photograph the plant sheet, record the plant's location information, then upload the data into an international biodiversity database. Your data entry will be available immediately to researchers and conservation workers around the world. We'll show you ways to engage in these efforts from your home. No experience necessary. Limit 10 people. DT: 10 min.	21, 49, 64, 93, 107, 152
141		O	8:30 AM	11:30 AM	Greenbrier Ranger Station (K)	Moss Walk: Injun Creek Trail in Greenbrier	Discover the elegant forms of moss, liverwort, and hornwort and ways to recognize them. Bring a hand lens. A 3-mile, easy walk. Limit 25 people. DT: 30 min.	28, 74, 113
142		F O	8:30 AM	11:30 AM	Chimneys Picnic Area (F)	Wildflower Walk: Cove Hardwood Nature Trail	Observe abundant wildflowers, including dwarf ginseng and fringed phacelia, in this old-growth forest. Short, easy walk. Limit 25 people. DT: 25 min.	9, 54, 67, 155
143		O	8:30 AM	11:30 AM	Little River Trailhead Past Elkmont Campground (T)	Wildflower Walk: Little River Above Elkmont	Walk up this former logging railroad bed and discover the tenacity of nature in recovering from the massive logging operations which cleared this valley early in the 20th century. Many wildflowers and ferns dot the landscape. Elevation change: 200' ascent. A 2-mile, easy walk. Limit 25 people. DT: 30 min.	NONE
144		O	8:30 AM	11:30 AM	Jakes Creek Trailhead past Elkmont Campground (R)	Wildflower Walk: Cucumber Gap Trail	Walk through a secondary cove hardwood forest and enjoy the diversity of wildflowers. This trip ascends toward Cucumber Gap, then returns. A 2-mile, moderate walk. Limit 25 people. DT: 30 min.	16, 68, 125
145		T O	8:00 AM	11:30 AM	Mills Conference Center - Vans (V)	Wildflower Walk: Huskey Gap Trail	Walk the old trail that connected the settlers of Sugarlands Valley and Little River as you view the wildflower displays and homesites along the way. Elevation change: 1,000'. A 2-mile, moderate walk. Limit 22 people.	6, 90, 124
146		O	8:30 AM	11:30 AM	Metcalf Bottoms Picnic Area off of Little River Road (U)	Land Navigation with Maps and GPS for Beginners.	Learn land navigation techniques using maps, compass and pace counts. Also, instructions on how to use your GPS device or smart phone map to record routes, find waypoints and destinations. Bring your GPS device or smart phone and a compass. A 1-2 mile, easy walk. Limit 25 people. DT: 40 min.	98, 110, 156
147		O	8:30 AM	11:30 AM	Greenbrier Road terminus at Porters Creek trailhead 4.5 miles from Route 321 (O)	Wildflower Walk: Porters Creek Trail	See a wide variety of flowers including painted trillium and many more. Pass old homesteads and a cemetery along this popular trail which leads to an old-growth cove hardwood forest. A 2-3 mile, easy walk. Limit 25 people. DT: 30 min.	11, 31, 83, 97, 115, 127, 154
148		O	8:45 AM	11:30 AM	Townsend "Y" on Little River Road (FF)	Wildflower Walk: Chestnut Top Trail	One of the grandest wildflower displays in the Smokies. A 2 mile, moderate walk. Limit 15 people. DT: 45 min.	15, 71, 118
149		O	8:45 AM	11:30 AM	Metcalf Bottoms Picnic Area off of Little River Road (U)	Yoga Class at Walker Sisters Cabin	Join Michelle Harris and Emily Shaw on a journey to the Walker Sisters Cabin on the Metcalf Bottoms Trail to exercise and relax in this serene environment. Bring an exercise mat or large towel and water. A 4 mile moderate hike. Limit 25 people. DT: 40 min.	104

A KEY TO THE COLOR BACKGROUND AND OTHER SYMBOLS APPEARS AT THE BOTTOM OF THIS SHEET.

Program Number 2018		Event Category see bottom	Start time	End time	Meeting Place	Title	Description	Similar Programs 2018
April 28 - Saturday Afternoon - - - Saturday Afternoon - - - Saturday Afternoon - - - Saturday Afternoon - - - Saturday Afternoon - - - Saturday Afternoon								
150	REGISTRATION IS REQUIRED – REGISTRATION IS REQUIRED	F O	1:15 PM	4:30 PM	Twin Creeks Gravel Parking Lot off of Cherokee Orchard Road (GG)	Aquatic Insects Walk	For the veteran, novice, and kid aquatic insect searcher. Entomologist Stylianos Chatzimanolis will show you the most diverse group of organisms on the planet first hand. Bring hand lens and mud shoes. Short, easy walk along streams. Limit 25 people. DT: 10 min.	17, 56
151		O	1:15 PM	4:30 PM	End of Park Headquarters Rd. outside of gated area (Q)	Exotic Plant and Wildflower Walk: Gatlinburg Trail	Learn to identify exotic plants and their impact on the native flora. A 2-3 mile, easy walk. Limit 25 people. DT: 15 min. See detailed map on page 25.	NONE
152		I	1:15 PM	4:30 PM	Twin Creeks Science and Education Center off Cherokee Orchard Road (GG)	Become a GSMNP Citizen Scientist	Tennessee and North Carolina are home to approximately 1.5 million dried plant specimens. To make a permanently record of a plant species location and genetic information, a plant is collected, pressed, mounted on a paper sheet, and stored in a herbarium. To make each plant's information available globally, a local and international digitizing effort is underway. This program introduces you to the Park's natural history collections which have not been digitized until now. Using the Park's plant specimens, you will photograph the plant sheet, record the plant's location information, then upload the data into an international biodiversity database. Your data entry will be available immediately to researchers and conservation workers around the world. We'll show you ways to engage in these efforts from your home. No experience necessary. Limit 10 people. DT: 10 min.	21, 49, 64, 93, 107, 140
153		O	1:30 PM	4:30 PM	Little River Trailhead Past Elkmont Campground (T)	Fern Walk: Little River Above Elkmont	Have you ever seen an adder's tongue? Come see a variety of the park's 25 more common ferns and fern allies. Bring a hand lens. A 2-mile, easy walk. Limit 25 people. DT:30 min.	10, 52, 99
154		O	1:30 PM	4:30 PM	Greenbrier Road terminus at Porters Creek trailhead 4.5 miles from Highway 321 (O)	Wildflower Walk: Porters Creek Trail	Pass old homesteads and a cemetery along this popular trail which leads to an old-growth cove hardwood forest. See a rich variety of wildflowers including painted trillium and many more. A 2-3 mile, moderate hike. Limit 25 people. DT: 30 min.	11, 31, 83, 97, 115, 127, 147
155		F O	1:30 PM	4:30 PM	Chimneys Picnic Area (F)	Wildflower Walk: Cove Hardwood Nature Trail	Observe abundant wildflowers, including dwarf ginseng and fringed phacelia, in this old-growth forest. Short, easy walk. Limit 25 people. DT: 25 min.	9, 54, 67, 142
156		O	1:30 PM	4:30 PM	Metcalf Bottoms Picnic Area off of Little River Road (U)	Land Navigation with Maps and GPS for Beginners	Learn land navigation techniques using maps, compass and pace counts. Also, instructions on how to use your GPS device or smart phone map to record routes, find waypoints and destinations. Bring your GPS device or smart phone and a compass. A 1-2 mile, easy walk. Limit 25 people. DT: 40 min.	98, 110, 146
157		NC O	1:45 PM	4:30 PM	Rockefeller Memorial at Newfound Gap to rendezvous (BB)	Wildflower Walk: Kanati Fork Trail	An exceptional site to see many species of spring wildflowers including painted trillium and Canada mayflower. A 2-mile, moderate walk. Limit 25 people. DT: 45 min.	55, 73, 116

A KEY TO THE COLOR BACKGROUND AND OTHER SYMBOLS APPEARS AT THE BOTTOM OF THIS SHEET.

Program Number 2018		Event Category see bottom	Start time	End time	Meeting Place	Title	Description	Similar Programs 2018
April 28 - Saturday All Day - - - Saturday All Day - - - Saturday All Day - - - Saturday All Day - - - Saturday All Day - - Saturday All Day - - Saturday All Day								
158	REGISTRATION IS REQUIRED – REGISTRATION IS REQUIRED – REGISTRATION IS REQUIRED	B O	7:30 AM	1:00 PM	City Parking Lot by Gatlinburg Fire Station on Reagan Dr. (NN)	Wood Warblers of The Smokies	Join birder Don Hendershot to study behaviors, habitats, and songs of this often brilliantly colored family of birds as we search low and mid elevations. Bring binoculars, lunch, water, rain gear, and comfortable walking shoes. Short, easy walks. Limit 15 people.	2, 3, 4, 34, 35, 40, 41, 42, 43, 75, 76, 85, 86, 87, 105, 121, 122, 123, 131, 132, 133, 159
159		B O	7:00 AM	2:00 PM	Alum Cave Trailhead: 8.7 miles south on US 441 from Sugarlands Visitor Center (LL)	Birding on Alum Cave Trail	Follow naturalist, birder, and musician Keith Watson to Alum Cave. Along the way look and listen for early spring warbler migrants including Black-throated Blue, Black-throated Green, and possibly Canada and Blackburnian. This trail is great for early Blue-headed Vireos, Veery and resident Southern Appalachian specialties: Black-capped Chickadee, Red-breasted Nuthatch, Winter Wren. At the cave, we'll look and listen for Peregrine Falcons which nest in the area. Elevation change 1100'. A 4.6 mile strenuous hike. Bring binoculars, lunch, water, rain gear, and comfortable walking shoes. Limit 15 people. DT: 35 min.	2, 3, 4, 34, 35, 40, 41, 42, 43, 75, 76, 85, 86, 87, 105, 121, 122, 123, 131, 132, 133, 158
160		T O	8:00 AM	4:30 PM	Mills Conference Center - Vans (V)	Big Trees Hike: Albright Grove	Hike to one of the most magnificent groves of large, old-growth trees in the park. Pass wonderful displays of wildflowers and an 1889 cabin made of chestnut. Elevation change: 1,600' ascent. A 6.5 mile, moderate hike. Bring lunch, water, rain gear, and comfortable walking shoes. Limit 22 people.	NONE
161		O	8:30 AM	4:30 PM	Greenbrier Road, carpool from first parking lot on right, 200 feet from Route 321 (M)	Fungi, Lichen, and Wildflower Hike: Ramsey Cascades Trail	Join mycologists Coleman McCleneghan and Andy Methven, and ecologist Gary Walker to discover the rich diversity of wildflowers, fungi, and lichens as you walk. An 8-mile, strenuous hike. Bring lunch, water, rain gear, and comfortable walking shoes. Limit 25 people. DT: 30 min.,	12, 119
162		NC O	8:45 AM	5:30 PM	Rockefeller Memorial at Newfound Gap to begin car shuttle (BB)	Wildflower Hike: Sweat Heifer Trail to Kephart Prong	After a short 1.7 mile uphill climb, descend from early to late spring wildflower displays as you pass through different vegetation types and rich cove forests. Elevation change: 400' ascent and 2,650' descent. A 7.5-mile, strenuous hike. Bring lunch, water, rain gear, and comfortable walking shoes. Limit 25 people. DT: 45 min.	NONE
163		NC O	8:45 AM	5:30 PM	Rockefeller Memorial at Newfound Gap to begin car shuttle (BB)	Wildflower Walk: Thomas Divide to Kanati Fork	Walk along Thomas Divide then to a steadily descending route, with vistas of the surrounding ridges. The trail passes through a grove of chestnut tree remnants and hemlock and into a magnificent cove hardwood forest. We'll see many spring wildflowers, including painted trillium, Canada mayflower, and umbrella leaf. Bring lunch, water, rain gear, and comfortable walking shoes. A 5 mile, strenuous hike. Elevation change: 2,300 ft. descent. Limit 25 people. DT: 45 min.	NONE
164		T O	9:00 AM	4:30 PM	Cosby Picnic Area, Off TN Rt. 32 Hiker Parking Lot on Left to begin van shuttle to Maddron Bald Trail - Vans (H)	Wildflower Hike: Gabes Mountain Trail	An 8-mile, moderate, one-way hike passing through many wildflower displays and old-growth forests from Maddron Bald Trail to Cosby Picnic Area with a visit to 90' Hen Wallow Falls. Elevation change: 1,400'. Bring lunch, water, rain gear, and comfortable walking shoes. Limit 22 people. DT: 60 min.	36
165		O	10:00 AM	3:00 PM	City Parking Lot by Gatlinburg Fire Station on Reagan Dr. (NN)	Salamanders of the Smokies: Mid and Lower Elevations	Join John Byrd and Floyd Scott, two of Tennessee's eminent herpetologists, on an exploration tour of salamander species diversity at different elevations in the Smokies. Prepare to get wet and bring a hand lens. Short, easy walks en route. Limit 20 people.	29, 61, 117

T = Van Service

I = Indoor Programs

O =Outdoor Programs

B =Birding Program

F = Trails With Fire Damage

NC = North Carolina Programs

S = National Park Service Staff Leader

V = National Park Service Volunteer Leader

TR = Great Smoky Mountain Institute at Tremont Leader

Vans (T) = van service provided from Mills Conference Center to trip starting point

Letters between ( ) indicated trip starting point labeled on map page 27 & 28 of brochure