

WELCOME TO THE ECHO RANGERS!

Volusia County's ECHO Ranger program educates youth, scout troops and their families about the many **E**cological, **C**ultural, **H**eritage and **O**utdoors offerings in our area.

The program is for children in grades 1 - 5 (as of Aug. 15, 2018). The cost is \$20 per child. Entry fees to all sites for the ECHO Ranger candidate and one adult are included in the \$20 fee.

ECHO Ranger programs are held at parks, museums, historical sites and libraries throughout Volusia County. Activities are scheduled from September through May. Each activity lasts one to three hours, and reservations should be made at least one week in advance.

The ECHO Ranger program is coordinated by the staff of DeBary Hall Historic Site, 198 Sunrise Blvd., DeBary.

If you have any questions, please call DeBary Hall at **386-668-3840**.



How does the program work?

ECHO Rangers must complete at least eight activities at specially designated ECHO sites, which are described in this guidebook. Participants take their guidebook to each site and receive an ECHO Ranger stamp when they complete that site's activity or program.

What does an ECHO Ranger receive?

In addition to this guidebook, students receive:

- An ECHO Ranger badge and lanyard
- An invitation to the graduation celebration

Graduates will receive a T-shirt and certificate.

ECHO Ranger guidelines

Congratulations on becoming an ECHO Ranger candidate! You will embark on exciting adventures as you and your parent or guardian visit interesting ECHO sites throughout Volusia County in your quest to become an official ECHO Ranger.

These guidelines will help you in your quest:

- RSVP to the site at least one week before each activity.
- If the weather is inclement, call the site that morning to see if the activity will be offered.
- Show your badge and guidebook to gain entry to the sites.
- Have an adult accompany you throughout the activity.
- Earn stamps from at least eight sites. You must visit at least two sites under each category (**E**cological, **C**ultural, **H**eritage and **O**utdoors). Have your guidebook stamped at each site after completing the activity.
- Explore as many sites as you want, but only one self-guided family adventure will count in each category.

ECHO Ranger safety tips

- Stay with your parent or guardian at all times.
- Stay on trails and follow the instructor.
- Wear a life jacket when you're in a canoe, kayak or boat.
- Carry bug spray and water for deep-woods adventures.
- Wear appropriate, comfortable clothing and shoes.
- Leave only your footprints; use trash and recycling receptacles.

Important guidelines for parents and guardians

- These are public places; please do not let your ECHO Ranger wander around without adult supervision.
- RSVP for programs. Many of our sites can accommodate limited numbers.
- **If you cannot attend, please cancel your reservation.** Sites bring in employees or volunteers to make sure they are staffed for the numbers expected. Also, your cancellation will open a spot for another Ranger.
- ECHO Ranger supply boxes are in the office at each location. Boxes are checked frequently for supplies. If you find that a box is lacking materials or is missing, please contact Tracy Mestre at tmestre@volusia.org or 386-668-3840. She'll remedy the problem ASAP!

Cookout and graduation celebration

11 a.m. to 2 p.m. Saturday, June 1, 2019



Children completing the program will be invited to a cookout and graduation celebration where they will be promoted to official ECHO Rangers – an elite group of students who have educated themselves about the many great quality-of-life offerings in our community. See page 63 for more details.

ACTIVITIES CALENDAR

2018 dates

Saturday, Aug. 18

Veterans Museum and Educational Center, Daytona 49-H

Saturday, Aug. 25

Doris Leeper Spruce Creek Preserve 10-E

Saturday, Sept. 8

Halifax Historical Society, Daytona Beach 42-H

Ponce Inlet Historical Museum, Ponce Inlet 47-H

Tomoka Landfill, Port Orange 21-E

Saturday, Sept. 15

Museum of Art – DeLand 31-C

Saturday, Sept. 22

DeLeon Springs State Park, DeLeon Springs 53-O

Halifax Historical Society, Daytona Beach 42-H

West Volusia Historical Society, DeLand 50-H

Saturday, Sept. 29

The Casements, Ormond Beach 35-H

Ormond Beach Environmental Discovery Center 17-E

Ormond Beach Historical Society 46-H

Ormond Memorial Art Museum and Gardens 32-C

Saturday, Oct. 6

Cassadaga Spiritualist Camp, Cassadaga 26-C

Tomoka Landfill, Port Orange 21-E

Sunday, Oct. 7

Marine Science Center, Ponce Inlet 15-E

Ponce Inlet Lighthouse and Museum, Ponce Inlet 48-H

Lighthouse Point Park, Ponce Inlet 57-O

Tuesday, Oct. 9

ArtHaus, Port Orange 25-C

Saturday, Oct. 13

African American Museum of Arts, DeLand 23-C

DeBary Hall Historic Site, DeBary 37-H

Tomoka State Park, Ormond Beach 60-O

Saturday, Oct. 20

Museum of Art – DeLand 31-C

DeLeon Springs State Park, DeLeon Springs 53-O

Gillespie Museum, DeLand 11-E

Saturday, Oct. 27

West Volusia Historical Society, DeLand 50-H

Museum of Arts & Sciences, Daytona Beach 30-C

Saturday, Nov. 3

Longleaf Pine Preserve, DeLand 12-E

Reptile Discovery Center, DeLand 19-E

Veterans Museum and Educational Center, Daytona 49-H

Sunday, Nov. 4

Marine Science Center, Ponce Inlet 15-E

Ponce Inlet Lighthouse and Museum, Ponce Inlet 48-H

Lighthouse Point Park, Ponce Inlet 57-O

Tuesday, Nov. 6

ArtHaus, Port Orange 25-C

Wednesday, Nov. 7

Lyonia Environmental Center, Deltona 67

Saturday, Nov. 10

Ponce Preserve, Ponce Inlet 18-E

Tomoka State Park, Ormond Beach 60-O

Saturday, Nov. 17

African American Museum of Arts, DeLand 23-C

DeLeon Springs State Park 53-O

Hontoon Island, DeLand 43-H

Sunday, Dec. 2

Marine Science Center, Ponce Inlet 15-E

Ponce Inlet Lighthouse and Museum, Ponce Inlet 48-H

Lighthouse Point Park, Ponce Inlet 57-O

Saturday, Dec. 8

Halifax River Audubon Birding tour, Port Orange 54-O

Ponce Inlet Historical Museum, Ponce Inlet 47-H

Tomoka State Park, Ormond Beach 60-O

Saturday, Dec. 15

Museum of Art – DeLand 31-C

DeLeon Springs State Park 53-O

2019 dates

Saturday, Jan. 5

African American Museum, DeLand 23-C

Sunday, Jan. 6

West Volusia Audubon Society 61-O

Saturday, Jan. 12

Marine Discovery Center 14-E

New Smyrna Museum of History 45-H

Tomoka State Park, Ormond Beach 60-O

Tuesday, Jan. 15

DeBary Hall Historic Bike Tour, DeBary 68

Saturday, Jan. 19

Fountain of Youth, DeLeon Springs State Park 40-H

Halifax Historical Society, Daytona Beach 42-H

Museum of Art – DeLand 31-C

Tomoka Landfill, Port Orange 21-E

Saturday, Jan. 26

Halifax Historical Society, Daytona Beach 42-H

Sunday, Jan. 27

Museum of Arts & Sciences, Daytona Beach 30-C

Saturday, Feb. 2

West Volusia Historical Society, DeLand 50-H

DeBary Hall Cultural Bike Tour, DeBary 27-C

Tuesday Feb. 5

Arthaus, Port Orange 25-C

Saturday, Feb. 9

Lyonia Environmental Center, Deltona 13-E

Ormond Beach Environmental Discovery Center 17-E

The Casements, Ormond Beach 35-H

Ormond Memorial Art Museum and Gardens 32-C

Ormond Beach Historical Society 46-H

Tomoka State Park, Ormond Beach 60-O

Saturday, Feb. 16

African American Museum of Arts, DeLand 23-C

Museum of Art – DeLand 31-C

Fountain of Youth, DeLeon Springs State Park 40-H

Saturday, Feb. 23

DeLeon Springs State Park, DeLeon Springs 53-O

Hontoon Island State Park, DeLand 43-H

Saturday, March 2

Ponce Preserve, Ponce Inlet 18-E

Museum of Arts and Sciences, Daytona 30-C

Sunday, March 3

Lyonia Environmental Center, Deltona 67

Saturday, March 9

Florida Public Archaeology Network, DeBary 39-H

Tomoka State Park, Ormond Beach 60-O

Saturday, March 16

Museum of Art – DeLand 31-C

Saturday, March 23

DeBary Hall Historic Site, DeBary 37-H

Fountain of Youth, DeLeon Springs State Park 40-H

DeLeon Springs State Park, DeLeon Springs 53-O

Tuesday, April 2

Arthaus, Port Orange 25-C

DeBary Hall Historic Site after-school program 68

Saturday, April 6

DeBary Hall Historic Site, DeBary 37-H

Saturday, April 13

Reptile Discovery Center, DeLand 19-E

Museum of Arts & Sciences, Daytona Beach 30-C

DeLeon Springs State Park, DeLeon Springs 53-O

Tomoka State Park, Ormond Beach 60-O

Saturday, April 20

Museum of Art – DeLand 31-C

Veterans Museum and Educational Center, Daytona Beach 49-H

Gillespie Museum, DeLand 11-E

Saturday, May 4

West Volusia Historical Society, DeLand

50-H

Saturday, May 11

Tomoka Landfill, Port Orange

21-E

Tomoka State Park, Ormond Beach

60-O

Sunday, May 12

Lyonia Environmental Center, Deltona

67

Saturday, May 18

Museum of Art – DeLand

31-C

Saturday, June 1

ECHO Ranger Graduation Picnic

69

Self-guided activities:

Art in Public Places, various locations

24-C

Colby-Alderman Park, Cassadaga

36-H

Dunlawton Sugar Mill Botanical Gardens, Port Orange

28-C

Gemini Springs Park, DeBary

52-O

Green Springs Park, Enterprise

41-H

Lake Ashby Park, New Smyrna Beach

55-O

Lake Monroe Park, DeBary

56-O

Michael Crotty Bicentennial Park, Ormond Beach

16-E

Sun Splash Park, Daytona Beach

59-O

River Breeze Park, Oak Hill

58-O

River Quest, DeLand

62-O

Spruce Creek Park, Port Orange

20-E

Make your own ECHO adventure

64-ECHO

Volusia County Public Libraries

65-ECHO

Offered every Saturday:

Gateway Center for the Arts, DeBary

29-C

DeLand Naval Air Station, DeLand

38-H

Lilian Place Heritage Center, Daytona Beach

44-H

**ECOLOGICAL**

**ECHO Rangers must complete
at least two activities in this category.**



Doris Leeper Spruce Creek Preserve

3251 N. Dixie Highway, New Smyrna Beach

RSVP: Trey Hannah, 386-736-5927

9 to 10:30 a.m. Saturday, Aug. 25, 2018

Site description: Doris Leeper Spruce Creek Preserve is an estuarine site that has one mile of hiking trails with a variety of wildlife. This scenic preserve is on 1,637 acres in Port Orange.

Activity: ECHO Rangers will accompany a naturalist on a short hike through this amazing preserve. They will see the vast flora and fauna of the area. At the end of the hike, Rangers will participate in a seine net activity. The Rangers will help guild the seine net through the shallow waters and get an up-close look at the amazing creatures of this habitat. They will learn about the importance of estuaries and the local plant species. This activity involves getting into the water; however, Rangers can watch the water portion and observe the organisms once the net is brought to shore.

Note: Numbers are limited. Reservations are required to participate in this activity. Closed-toe shoes are required to participate in the dragging of the net. Life jackets are preferred.

RSVP at least two weeks in advance. This program requires at least 10 ECHO Rangers. Closed-toe shoes are required for seine netting. Be prepared to get wet!

10-E

Gillespie Museum of Minerals

234 E. Michigan Ave., DeLand

gillespiemuseum@stetson.edu

RSVP: Karen Cole, 386-822-7330

Mostly Green Halloween

10 a.m. to 1 p.m. Saturday, Oct. 20, 2018

Earth Day at the Gillespie Museum

10 a.m. to 1 p.m. Saturday, April 20, 2019



Site description: The Gillespie Museum of Minerals at Stetson University is an earth science museum in a natural setting. It houses Florida's most comprehensive mineral collection and features hands-on activities with mineral and rock identification and fossil classification. It also includes an Underground World, which includes a mining exhibit, fluorescent rock display and a replica of a small cave. The museum grounds feature a native plant landscape; an organic community garden; and the Rinker

Environmental Learning Center, a green building offering open-air classroom space and additional exhibits.

Activity: Join us for this special family day to tour the museum's mineral and rock exhibits, learn about Florida's natural habitats and native plants, and experience earth systems through a volcano exhibit.

Note: ECHO Rangers are welcome to any of our Science Saturdays; the full list of Saturday dates will be posted on our website by mid-August.

RSVP at least one week in advance.

11-E



Longleaf Pine Preserve

West entrance off East New York Avenue (S.R. 44), DeLand

RSVP: Tracy Mestre, 386-668-3840 or tmestre@volusia.org

9 to 10:30 a.m. Saturday, Nov. 3, 2018

Site description: Longleaf Pine Preserve has more than 7,000 acres of plant communities. Explore the scrub, pine flatwoods, longleaf pine hammock, cypress domes and swamps. It is a habitat for many plant and animal species including the Florida black bear, so this is an ideal site to look for signs of wildlife.

Activity: Take a guided eco walk through this amazing habitat. Rangers will learn basic hiking skills needed for the Florida outdoors and identify organisms, plants and animals that are found all along the way. Enjoy this one-of-a-kind adventure!

Note: Numbers are limited. Reservations are required to participate in this activity. Closed-toe shoes are recommended for the eco walk.

RSVP at least two weeks in advance. This program requires at least 10 ECHO Rangers. Wear closed-toe shoes and be prepared to get wet!

12-E

Lyonia Environmental Center

2150 Eustace Ave., Deltona

www.lyoniapreserve.com

RSVP: 386-789-7207, ext. #21028

Signs of Wildlife

10 a.m. to noon Saturday, Feb. 9, 2019



Site description: Lyonia Environmental Center (LEC) provides visitors with a unique insight into Volusia County's fragile ecosystems. The center promotes an understanding of the county's natural environment, the heritage it sustains, and the challenges it faces. The LEC is adjacent to Lyonia Preserve, a 360-acre scrub habitat that provides a home for dozens of threatened Florida scrub jays and gopher tortoises. Visitors can walk along three nature trails and experience

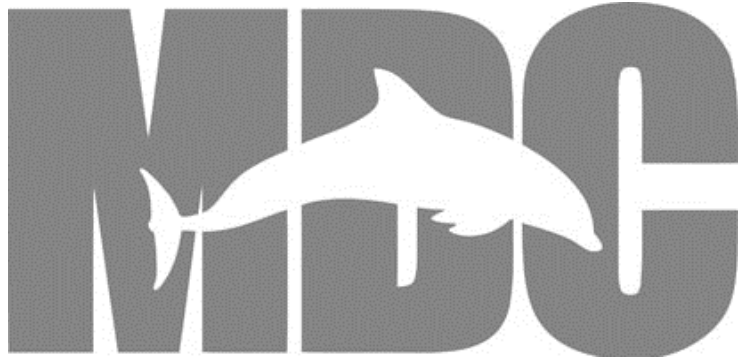
Florida scrub habitat in the preserve.

Activity: Take a one-mile hike in Lyonia Preserve to search for signs of wildlife such as animal homes, tracks and scat. After the hike, we'll spend a half-hour in the classroom putting those skills to work and using guides to identify animal tracks and scat.

Notes: Participants must wear long pants and closed-toe shoes and bring water and bug spray. Siblings are welcome to visit the LEC during the program; however, they may not participate in the ECHO Ranger program unless they are registered ECHO Rangers.

RSVP at least one week in advance.

13-E



Marine Discovery Center

520 Barracuda Blvd., New Smyrna Beach

www.marinediscoverycenter.org

RSVP: Michelle West, 386-428-4828

michelle@marinediscoverycenter.org

10 to 11 a.m. Saturday, January 12, 2019

Site description: The Marine Discovery Center is a not-for-profit organization on the Indian River Lagoon. Its mission is to protect and restore Florida's coastal ecosystems through education, research and community stewardship.

Program description: Join us for a guided tour of our exhibit area and experience first-hand some of the wonderful creatures from the Indian River Lagoon and beyond. You will learn about our local waters and marine life as your tour guide feeds some of our resident animals. You will also have the opportunity to get your hands wet in our interactive touch tank experience.

RSVP at least one week in advance. A minimum of 10 participants is required for the program to occur.

Marine Science Center

100 Lighthouse Drive, Ponce Inlet

www.marinesciencecenter.com

RSVP: Shell Webster, 386-304-5529 or mscedu@volusia.org

Noon to 1:30 p.m. on these Sundays:

Oct. 7, 2018

Nov. 4, 2018

Dec. 2, 2018



Site description: The Volusia County Marine Science Center offers an innovative learning experience where ECHO Rangers can discover and appreciate the many wonders of marine life. Children can get an up-close look at stingrays and other sea creatures in the touch tank.

Activity: Your environmental odyssey will include a look at sea turtle and bird rehabilitation, a tour of the environmental exhibit gallery, and time in the wet/dry lab. The Marine Science Center also has a touch tank, nature trail and gift shop.

Earn extra stamps! The Ponce Inlet Lighthouse and Museum and Lighthouse Point Park will offer ECHO Ranger activities on the same dates at different times, so you can receive three stamps in one day!

Directions: From Dunlawton Avenue in Port Orange, turn south on A1A. Drive 5.4 miles and turn right onto Ocean Way Drive. Drive 0.3 miles and turn left onto South Peninsula Drive. Drive 0.3 miles and turn left onto Lighthouse Drive.

Michael Crotty Bicentennial Park

1800 N. Oceanshore Blvd., Ormond-by-the-Sea

www.volusia.org/parks

Open sunrise to sunset

This is a self-guided family adventure.

Site description: Stretching from the Halifax River to the Atlantic Ocean, this 40-acre park is loaded with amenities. Hikers looking to get back to nature may take a walk along the park's nature trails and boardwalks. Gopher tortoises and raccoons call this scrub habitat home.

Activity: Bugs are an important part of the environment. Find at least three bugs and draw or take pictures of them in the park. Be sure to make a note of where you found them. That can be a clue to what they do in nature.

Note: Don't forget bug spray and walking shoes.

**Tape pictures of your
bug collection here.**



Ormond Beach Environmental Discovery Center at Central Park

Ormond Beach Environmental Discovery Center

601 Division Ave., Ormond Beach

www.ormondbeach.org/EDC

RSVP: Annie C. Evert (Annie.Evert@ormondbeach.org)

386-615-7081

9:30 to 10:30 a.m. on the following Saturdays:

Sept. 29, 2018

Feb. 9, 2019

Site description: The facility is designed to foster an awareness and appreciation of the natural environment by providing stimulating environmental exhibits, displays and educational programs that inspire participants to be active stewards of their natural resources.

Activity: Participate in a scavenger hunt that will take you around the entire facility and beautiful grounds, giving you the chance to see the bat box, floating wetlands and more.

Special notes: The center has an indoor beehive and active bees outside. Participants must wear long pants and closed-toe shoes and bring water and bug spray. Siblings are welcome to visit the EDC during the program; however they may not participate in the ECHO Ranger program unless they are registered ECHO Rangers.

Ponce Preserve

4401 S. Peninsula Drive, Ponce Inlet

RSVP: Amy Zengotita, 386-236-2163

11 to 11:45 a.m. Nov. 10, 2018

10 a.m. to 2 p.m. March 2, 2019

*In the event of inclement weather, please call to see if activity will still be offered.

Site description: Stretching from the Atlantic Ocean to the Halifax River, Ponce Preserve gives visitors a chance to see Florida as it used to be. From the beach through the maritime hammock past the Green Mound and over the marsh to the river, this 40-acre park offers nature at its best.

Activity: Walk through the trails for a self-guided tour to learn about the native plants, trees, animals, and the native people who lived here over 2,500 years ago. In place of an ECHO Ranger stamp, locate the Green Mound Live Oak and draw a picture of the tree. If you prefer, you can join us on these two guided tours:

- **November:** While walking along the nature trails, Rangers will look for native plants. We'll stop at the Green Mound, an ancient Indian midden, to talk about how the Timucuan used those plants.
- **March:** Join us for Ponce Inlet's Earth Day Celebration, *Ponce Preserves the Planet*. There will be activities for the whole family and over 20 exhibitors. Parking and shuttle will be available at Ponce Inlet Town Hall, 4300 S. Atlantic Ave. Find Mrs. Amy to get your stamp.

Notes: Good walking shoes, water, bug spray and sun block are recommended. Siblings are welcome to visit the preserve during the program; however, only registered Rangers may participate in the activity. It is difficult to maneuver strollers along the trails in the central portion of the park. Participants are welcome to stay after and enjoy the picnic area and explore the rest of the preserve.

RSVP at least one week before each activity.

Reptile Discovery Center

2710 Big John Drive, DeLand

RSVP: 386-740-9143

10:30 a.m. to noon on these Saturdays:

Nov. 3, 2018

April 13, 2019



Site description: The Reptile Discovery Center is a unique facility where visitors are exposed to a wide variety of reptile species. In the Serpentarium, dozens of the world's most dangerous and exotic snakes are on display, including a 13-foot

king cobra and a 14-foot Burmese python. The outside nature trail features alligators, lizards, tortoises and other reptiles that can be seen up close in their natural environments.

Activity: Enjoy a walk on our beautiful outdoor nature trail where you will see all kinds of reptile species – lizards, alligators, tortoises and more – active and sunning in their natural enclosures. Then take a look at our indoor exhibits, which house rattlesnakes, cobras, mambas and many other snakes from all over the world. New this year are a coastal taipan and a gray banded kingsnake. At 11:30 a.m. watch a live venom extraction, which is guaranteed to keep you on the edge of your seat! Stop by the gift shop on the way out and have your Passport stamped.

Notes: Participants should wear closed-toe shoes.

* Rangers' admission is free, but accompanying adults and family members will pay regular admission prices.

Spruce Creek Park

6250 Ridgewood Ave., Port Orange
Open from sunrise to sunset

This is a self-guided family adventure.

Site description: Scenic Spruce Creek Park is on 1,637 acres in Port Orange. Its 536-foot boardwalk begins more than three miles of nature trails leading to the 15-foot observation tower and continues to Rose Bay. The tower overlooks the marsh area near Spruce Creek.

Activity: Spruce Creek Park is a great place to see lots of amazing birds in the trees and in the water. Make a photo scrapbook of the birds you see. Try to get at least three pictures of marsh and inland birds.

Directions: From I-4 eastbound, continue onto to S.R. 400 East. Turn right at U.S. 1 (Ridgewood Avenue) and drive six miles to the park entrance.

**Attach your photo scrapbook
here, or bring it with you to
the graduation ceremony.**

Tomoka Landfill

1990 Tomoka Farms Road, Port Orange
www.volusia.org/recycling

RSVP: Send an email to volusiarecycles@volusia.org. If you have specific questions or concerns, please contact Susan Brennan (sbrennan@volusia.org) or Lynne Walter (lynne@volusia.org) at 386-943-7889.

9 a.m. on these Saturdays:

Sept. 8, 2018

Oct. 6, 2018

Jan. 19, 2019

May 11, 2019



Site description: The Tomoka Landfill sits on 3,400 acres and receives 1,500 tons of garbage daily. About 200 acres of this site have been set aside for recycling. Did you know Volusia County recycles more than 30 percent of its solid waste?

Activity: Ever wonder what happens to your garbage and recycling once the trucks have collected it? Well, wonder no more! Travel in an air-conditioned van around the landfill and see all the interesting things that go on out there. You'll see the hazardous waste facility, the recycling processing plant, and the new landfill cell where garbage is buried. You'll even see Mount Trashmore, a 145-foot-tall mountain of garbage! Keep your eyes wide open for all kinds of birds and other wild animals.

Note: Limit of 10 participants including chaperones. Participants must wear closed-toe shoes. Please be on time. Because space is limited, siblings will not be able to attend.

Directions: The landfill is on County Road 415 (1990 Tomoka Farms Road), Port Orange, 2.7 miles south of U.S. 92 (West International Speedway Boulevard).



**ECHO Rangers must complete
at least two activities in this category.**

22-C

African American Museum of the Arts

325 S. Clara Ave., DeLand

www.africanmuseumdeland.org

RSVP: Mary Allen, 386-736-4004

10:30 a.m. to noon on these Saturdays:

Oct. 13, 2018

Nov. 17, 2018

Jan. 5, 2019

Feb. 16, 2019



Site description:

This is the only museum in the area devoted primarily to African American and Caribbean American cultures and art.

A permanent collection of more than 200 unique artifacts is on display including sculptures and masks from African

countries and the Caribbean Islands. The facility also houses a revolving gallery of established and emerging artists.

Activity: Imagine visiting Africa – without leaving DeLand! As you view the museum's collection, you will get a taste of a culture rich in tradition and pride. Before leaving the museum, participate in an arts-and-crafts activity about African culture. Finally, visit the Maxwell and Irene Johnson Cultural Park and the Noble "Thin Man" Watts Amphitheater.

RSVP at least one week in advance. This program requires four to eight ECHO Rangers.

23-C

Art in Public Places

Various sites in Volusia County
www.celebratingculture.com/aipp.htm

This is a self-guided family adventure.



Program description: For each public building built or expanded by Volusia County, the county purchases and displays artwork to enrich the community. Artwork can be seen in the Ocean Center, airport, libraries and courthouses.

Activity: Visit one of Volusia County's Arts in Public Places sites for inspiration for your own piece of artwork. Create a piece of art you think represents our county. Bring your piece to the ECHO Ranger picnic and tell us which building inspired it. Each ECHO Ranger's artwork will be featured at DeBary Hall during a summer exhibit.

Locations: The Art in Public Places program is featured throughout the county. These are some suggested locations to view artwork sponsored by the county:

- Ocean Center, Daytona Beach
- Daytona Beach International Airport
- New Smyrna Beach Regional Library
- Volusia County Courthouse, DeLand
- Historic Courthouse, DeLand
- Volusia County Agricultural Center, DeLand
- Deltona Regional Library

ArtHaus Foundation

3840 Ridgewood Ave., Port Orange
www.arthaus.org
RSVP: Laurie Ring, 386-767-0076
email: office@arthaus.org or LRing@arthaus.org

3:30 to 4:30 p.m. on these Tuesdays:

Oct. 9, 2018	Nov. 6, 2018
Feb. 5, 2019	April 2, 2019



Site description: ArtHaus is a nonprofit organization that expands the visual arts education in Volusia County by showcasing student artwork in our Gallery and in outreach exhibits. ArtHaus also offers art classes and summer art camp in our facility and donates instruction at Pace

Center for Teen Girls and at some of the area Boys and Girls Clubs.

Activity: ECHO Rangers will take a gallery tour that involves discussing art and participating in an art lesson.

Note: Wear clothing that's okay to get messy!

RSVP at least one week in advance.

This program requires four to eight ECHO Rangers.

Cassadaga Spiritualist Camp

1112 Stevens St., Cassadaga

www.cassadaga.org

RSVP: Dawn Medley, 386-228-3171

email: cassadagaactivities@gmail.com

10 to 11 a.m. Saturday, Oct. 6, 2018



Site description:

Established as a spiritualist community in 1894, the Cassadaga Spiritualist Camp consists of 57 acres with 55 homes. Designated a historic district on the National Register of Historic Places in 1991, the Southern Cassadaga Spiritualist Camp Meeting Association is the oldest

active religious community in the Southeast.

Activity: Learn about the historic families who lived in the homes, urban legends and the unique architecture of the buildings during a walking tour.

Note: Please wear walking shoes.

Earn extra stamps! Colby-Alderman Park is in the camp. This is a great chance to earn two stamps in one trip! For information about Colby-Alderman Park, see page 34-H.

RSVP at least one week in advance.



DeBary Hall Cultural Bike Tour

198 Sunrise Blvd., DeBary

RSVP: Tracy Mestre, 386-668-3840 or tmestre@volusia.org

10 a.m. to noon on Saturday Feb. 2

Site description: Enjoy a tour of the DeBary Hall grounds, the magnificently restored Victorian 1800s hunting estate of wine importer Frederick deBary, but don't stop there. Trek along the Spring-to-Spring Trail, which crosses land owned by Volusia County and the St. Johns River Water Management District, and have a picnic in the trailhead pavilion. The trail connects DeBary Hall, Gemini Springs and Lake Monroe Park.

Activity: Learn about southwest Volusia County history on a bike ride along the trail from DeBary Hall to Gemini Springs Park and throughout the park. We will discuss cultural, historical and ecological topics at 10 stops.

Note: Bring a bicycle, helmet and plenty of water. Dress appropriately for the weather.

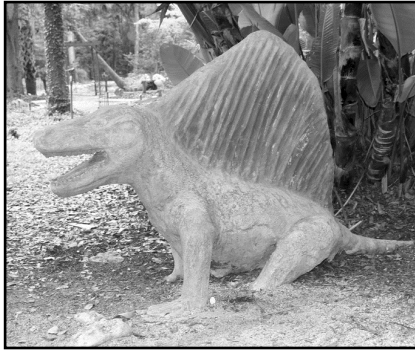
Dunlawton Sugar Mill Botanical Gardens

950 Old Sugar Mill Road, Port Orange

www.dunlawtonsugarmillgardens.org

Information: 386-767-1735

This is a self-guided family adventure.



Site description: This 10-acre park has a circular path that explores the site's history. During the 1700s, this area was used to produce sugar. Later, it was one of the first tourist attractions in Florida.

Activity: Walk the path of this unique site and learn about its many historic and cultural

functions, including a sugar mill, site of the Second Seminole War, a confederate soldier rest area, a botanical garden, and a 1940s tourist attraction with sculpted dinosaurs. In place of the ECHO Ranger stamp, locate the prehistoric monsters with these descriptions:

Watch out: _____

Vegetarian mammal: _____

Ferocious meat-eater: _____

Note: Dunlawton Sugar Mill and Botanical Gardens is open daily from 8 a.m. to 5 p.m. However, we recommend you call 386-767-1735 to verify hours before coming. There is no fee, but donations help the park continue to operate.

Directions: From I-95, take Port Orange exit 85 and go east on Dunlawton Boulevard (Route 421) to Nova Road (Route 5A). Turn left on Nova Road, then right on Herbert Street. The road will fork to the left and becomes Old Mill Road. Follow the signs to the parking lot.



Gateway Center for the Arts

880 N. Highway 17-92, DeBary

www.gatewaycenterforthearts.org

Information: 386-668-5553

9:30 a.m. to 2 p.m. Saturdays

Site description: Gateway Center for the Arts is an educational cultural arts center. It provides classrooms, studios, a kiln room, exhibit space, lecture hall, auditorium and gift shop to promote life-long learning to people of all ages, cultural heritages and abilities.

Activity: Visit the Gateway Center for a tour through the facilities. You may even catch some artists at work!

Special activity: *Youth Celebration of Arts Gallery Exhibit.*

Date TBA

This free youth festival showcases performing and visual arts provided by Volusia youth along with hands-on art projects at the event, booths of historical and ecological not-for-profit organizations, such as Pioneer Settlement, Sanford Zoo, Lyonia Environmental Center, Marine Discovery Center and others. Enjoy dozens of hands-on art projects, martial arts, cheerleading groups, doggie parades, a fleet of food trucks, and so much more to make a fantastic event for the whole family.

Note: Wear something that can be thrown away!

Museum of Arts & Sciences

352 S. Nova Road, Daytona Beach
www.moas.org
RSVP: Zach Zacharius, 386-255-0285

10 a.m. to 5 p.m. on these Saturdays:

Oct. 27, 2018 March 2, 2019 April 13, 2019

11 a.m. to 5 p.m. Sunday, Jan. 27, 2019



Site description: Diverse collections unite at the Museum of Arts & Sciences. Located in a beautiful 90-acre natural setting in Daytona Beach, it is the primary art, history and science museum of Volusia County. It features the Charles and Linda Williams Children's Museum and Planetarium, which shows "The Night Sky" daily at 2 p.m.

Activity: Begin your visit with an interactive experience based on art, science or history. Then enjoy a self-guided tour with an ECHO Ranger Q-and-A worksheet at the front desk.

You'll see vast changing and permanent exhibitions including Coca-Cola® memorabilia, railroad cars and race cars, teddy bears, 18th to 20th century furniture, paintings and sculpture, Cuban and African art, a giant ground sloth skeleton, an outdoor sculpture garden and more. When you've completed the tour at your pace, return to the main desk for your ECHO Ranger stamp.

Note: This self-guided activity takes one to one-and-a-half hours. There will be a small charge for planetarium viewing.

This is a self-guided activity. RSVP is not required.

Museum of Art – DeLand

600 N. Woodland Blvd., DeLand
www.moartdeland.org
RSVP is not required. For information, call 386-734-4371.

Anytime between 10 a.m. and 1 p.m. on these Saturdays:

Sept. 15, 2018 Jan. 19, 2019 April 20, 2019
Oct. 20, 2018 Feb. 16, 2019 May 18, 2019
Dec. 15, 2018 March 16, 2019



Site description: Established in 1951 as the DeLand Children's Museum, the Museum of Art – DeLand has changed locations and names, but has always maintained its

commitment to experiencing the power of art. The museum's mission is to promote and showcase art and emerging and established artists by providing a wide range of exceptional cultural experiences, exhibitions, educational and interpretive programming made available to a diverse audience of all ages.

Activity: The museum's Family Fun Saturday is the perfect destination where families can spend time together enjoying outstanding art and artists, explore their creative sides, engage their imaginations, and share some great family moments. Start with a tour of the exhibitions in the museum galleries and then get creative with fun make-and-take art activities led by the museum staff.

Note: Dress for mess. Siblings are welcome to attend. Children must be accompanied by an adult. RSVP is not required.



Ormond Memorial Art Museum and Gardens

78 E. Granada Blvd., Ormond Beach

www.ormondartmuseum.org

RSVP: Susan Richmond, 386-676-3347

srichmond@ormondartmuseum.org

12:30 to 1:30 p.m. on these Saturdays:

Sept. 29, 2018

Feb. 9, 2019

Site description: This 4.5-acre natural botanical garden site was founded in 1946 as a war memorial. Tucked away in downtown Ormond Beach, this oasis has turtle ponds, waterfalls and plenty of places to play hide and seek. The museum offers changing art exhibits each month.

Activity: Tour the museum and gardens to learn about the site and the featured exhibition, then create an art project inspired by your visit.

Earn extra stamps! Ormond Memorial Art Museum and Gardens, The Casements, and the Ormond Beach Historical Society have coordinated dates and times to offer the ECHO Rangers “An Afternoon in Ormond” and a chance to earn three stamps!

RSVP one week in advance.

32-C

Southeast Museum of Photography

A service of Daytona State College

1200 W. International Speedway Blvd., Daytona Beach

www.smponline.org (Click **Education** tab, then **K-12 Programs**)

RSVP: Christina Katsolis, 386-506-4569 or

katsolc@DaytonaStat.edu

Dates and times to be announced.



Site description: The Southeast Museum of Photography includes an international collection and world-class exhibits of contemporary and vintage photography. The museum offers films, seminars, lectures, workshops and children’s programs. A gift shop and photographic reference library is open to

visitors, and a high-definition digital cinema provides for unique entertainment and educational opportunities.

Activities: TBA

Notes: ECHO Rangers are encouraged to bring a digital camera. Scout troops must register independently with each child accompanied by an adult. No open-toed shoes in the dark room!

Directions: The museum is just off International Speedway Boulevard, three miles east of I-95, in building 1200 of the main Daytona State College campus.

RSVP at least three days in advance.

33-C



HERITAGE

**ECHO Rangers must complete
at least two activities in this category.**

34-H



The Casements

25 Riverside Drive, Ormond Beach

www.casements.net

RSVP: Siobhan Daly, 386-676-3366

Siobhan.day@ormondbeach.org

11 a.m. to noon on these Saturdays:

Sept. 29, 2018

Feb. 9, 2019

Site description: Once the winter playground of John D. Rockefeller, The Casements is now a cultural and historical landmark. Tour the home that once hosted the likes of Thomas Edison, Henry Ford and Harvey Firestone.

Activity: Tour the former home of John D. Rockefeller and learn about his life in Ormond Beach. Complete a craft project photo frame.

Earn extra stamps! Ormond Memorial Art Museum and Gardens, The Casements and the Ormond Beach Historical Society have coordinated dates and times to offer ECHO Rangers "An Afternoon in Ormond" and a chance to earn three stamps!

RSVP at least one week in advance.

35-H

Colby-Alderman Park

1099 Massachusetts St., Cassadaga
www.volusia.org/parks

This is a self-guided family adventure.

Site description: Colby-Alderman Park is a 146-acre public park with trails, views of sandhill lakes, and links to a special religious community. It's named for medium and lecturer George P. Colby, who settled here in the 1870s and helped to create the Southern Cassadaga Spiritualist Camp.

Activity: Walk along the paths and read the historic interpretive panels to learn about the history of the Colby-Alderman site. To complete your ECHO Ranger mission, answer these questions from the panels:

Where did Cassadaga Spiritualist Camp get its name?

When was Cassadaga settled by George Colby?

What helped George Colby recover from tuberculosis?

How long did the trip from Jacksonville to Blue Springs take for river travelers?

What is the life span of a gopher tortoise?



DeBary Hall Historic Site

210 Sunrise Blvd., DeBary

www.debaryhall.com

RSVP: Tracy Mestre, 386-668-3840 or tmestre@volusia.org

1 to 2 p.m. on these Saturdays:

Oct. 13, 2018

March 23, 2019

April 6, 2019

Site description: Built in 1871 by champagne importer Frederick deBary, this huge estate offered guests hospitality and fun on the Florida frontier. Today, it's open to the public and is listed on the National Register of Historic Sites.

Activity: Experience a virtual tour on the St. Johns River aboard Frederick deBary's steamboat, *The City of Jacksonville*. Fun and laughter are only part of this scavenger hunt tour through an 1871 Victorian estate! View the many gadgets and gizmos that made life in the 1800s easier and compare them to things we use today.

Note: Pack a picnic lunch and enjoy it on the grounds of Gemini Springs or DeBary Hall!

Directions: From I-4, take exit 108 toward DeBary/Deltona. Drive 1.4 miles and turn right on County Road 4162 (Dirksen Drive). Drive 1.1 miles and turn right on Clara Vista Street. Drive 0.3 miles and turn right onto Sunrise Boulevard.

RSVP at least one week in advance.



DeLand Naval Air Station Museum

910 Biscayne Blvd., DeLand
www.delandnavalairstation.org

RSVP: Harold Bradeen 386-738-4149
dnas.museum.org@gmail.com

Wednesdays through Sundays from noon to 4 p.m. Please call to schedule an ECHO Ranger appointment to ensure volunteers are available.

Site description: The DeLand Naval Air Station is a military history museum with memorabilia displays as well as vintage aircraft, PTF3 Boat and military vehicles/equipment.

Activity: Rangers will be given a tour of the full facilities. Other activities may include a coloring sheet from a museum topic or other lesson from the Tour Guide depending on the youth age.

Special Notes: All students must be accompanied and watched by a parent/guardian at all times. Everyone is asked not to touch, climb or lean on any display, equipment, aircraft, boat or any other item for safety and security.

RSVP at least one week in advance.



FLORIDA PUBLIC ARCHAEOLOGY NETWORK

Florida Public Archaeology Network

Location: DeBary Hall Historic Site, 198 Sunrise Blvd., DeBary
RSVP: Tracy Mestre, 386-668-3840

1 p.m. March 9, 2019

Site description: The Florida Public Archaeology Network's mission is to promote and facilitate the conservation, study and public understanding of Florida's archaeological heritage. The Northeast Region Center provides educational programming and workshops throughout Florida's seven northeast counties including Volusia.

Activity descriptions: Archaeologists from the Florida Public Archaeology Network will visit DeBary Hall with an exciting hands-on activity to teach about archaeology. Specifics will come out in your ECHO email.

Note: Water, sunscreen and comfortable shoes are suggested.

Fountain of Youth DeLeon Springs State Park

601 Ponce DeLeon Blvd., DeLeon Springs

www.foytours.net

RSVP: Capt. Wiltse, 386-837-5537

9:45 to 10:30 a.m. on these Saturdays:

Jan. 19, 2019

Feb. 16, 2019

March 23, 2019



Site description: Native Americans used these springs 6,000 years ago. In the early 1800s, settlers built sugar and cotton plantations that were sacked by Indians during the second Seminole War. By the 1880s, the springs had become a winter resort and tourists were promised “a fountain of

youth impregnated with a deliciously healthy combination of soda and sulphur.”

Activity: The Eco/History Tour Boat at DeLeon Springs State Park is an amazing, educational and fun experience. The tour and takes you back thousands of years. Birds, flowers, trees, plants, alligators and Native American history abound. Learn how 20 million gallons of water a day comes up from DeLeon Springs. Before or after your tour, enjoy a dip in the 72-degree spring and have pancakes or lunch at the Old Spanish Sugar Mill Restaurant, open 9 a.m. to 5 p.m. weekdays and 8 a.m. to 5 p.m. weekends.

Note: ECHO Rangers must bring their badge and Passport and will receive a free boat tour with a paying adult.

*This site requires park admission of \$6 per car.

RSVP at least one week in advance.

40-H

Green Springs Park

994 Lakeshore Drive, Enterprise

www.volusia.org/parks

This is a self-guided family adventure.

Site description: Green Springs Park encompasses 36 acres of nature with one of Florida’s few green sulfur springs. Green Spring has been an important landmark throughout the history of Volusia County from the time of early Native American settlements to the steamboat era when Enterprise was the final destination on the St. Johns River. Native Americans, including the Mayaca and Seminoles, considered the land sacred because they thought the sulfur water in the springs was healing. Today, visitors can enjoy paved and natural trails, scenic overlooks, a playground and picnic pavilions.

Activity: Walk along the paths and read the historic interpretive panels to learn about the Green Springs area. To complete your ECHO Ranger mission, answer the following questions from the panels:

How deep is Green Spring?

Why is the water green?

What industry did Cornelius Taylor forge in this area?

41-H

Halifax Historical Museum

Halifax Historical Society

252 S. Beach St., Daytona Beach

www.halifaxhistorical.org

RSVP: Fayn LeVeille, 386-255-6976

10 a.m. to 4 p.m. on these Saturdays:

Sept. 8, 2018

Jan. 19, 2019

Sept. 22, 2018

Jan. 26, 2019



Site description: The museum presents the history of the Halifax area with artifacts from early plantations and pioneer families, an extensive photographic and postcard collection, and beach auto racing memorabilia. It also features a research facility and a video theater showing videos of the history of the area. The museum walls display hand-painted murals of early Florida history and are highlighted by beaux arts styling of stained-glass windows and lighting. It takes about an hour to an hour and a half to tour the museum. Hours are 10 a.m. to 4 p.m. Tuesday through Saturday.

The museum takes about an hour to an hour and a half to tour. Museum hours are 10 a.m. to 4 p.m. Tuesday through Saturday.

Activity: Kids can try to open and close the original vault door and ring the original bell from the first train to come into Daytona Beach in the 1880s. There are many interactive things to do.

RSVP at least two weeks before this activity.

Note: The best parking is in the large parking lot on Palmetto Avenue between Magnolia and Orange avenues.

Hontoon Island State Park

2309 River Ridge Road, DeLand

RSVP: Karienne Rivera, 386-736-5309

Karianne.M.Rivera@dep.state.fl.us

10:30 a.m. to noon on these Saturdays:

Nov. 17, 2018

Feb. 23, 2019



Site description: Hontoon Island, located on the St. Johns River, is accessible by private boat or the park's free ferry shuttle. Evidence of Native American habitation over thousands of years can be witnessed as visitors hike the hammock trail to Native American shell middens. The park displays a replica of large 600-year-old owl totem that was found in the river near the parking lot. More historical information is on display in the visitor center.

Activity: Dig and Discover is an educational program where kids get the opportunity to be archaeologists. They will conduct an excavation with mock artifacts and discover more about the Mayaca tribe that lived on the island before European contact. They will also more about the real excavations that were done on the island and see some actual artifacts that were dug up.

Please RSVP one week in advance.



Lilian Place Heritage Center

111 Siver Beach Ave., Daytona Beach
www.heritageprervationtrust.org
RSVP: Dr. Nancy Long, 386-256-4810

This site is open from 1 to 5 p.m. every day but Tuesday.

Site description: This 2.3-acre riverfront historic site features the 1884 Lilian Place Victorian Musuem, the old Carriage House, and a 1905 Queen Anne Victorian House that is now a cultural event site. Built on shell mounds, these sites afford a beautiful view of the Halifax River as well as a 132-year-old walkway that was the original boat stop and pathway from the river. This old path is now marked with educational markers.

Activity: Enjoy a tour designed especially for the ECHO Rangers. Rangers will receive handouts.

Note: Stephen Crane, author of “The Red Badge of Courage,” made Lilian Place famous in his story, “The Open Boat,” when he described how his boat sank and he made it to shore. He was taken in at Lilian Place!

New Smyrna Museum of History

120 Sams Ave., New Smyrna Beach
www.nsbhistory.org
RSVP: 386-478-0052

11 a.m. Saturday Jan. 12, 2019

Site description: The museum is on the site of the first school in the New Smyrna Beach area. The building that houses the museum was originally built as a post office and has also served as home to the Utilities Commission. The hardwood floors are original to the building. After the building sat vacant for several years, the Southeast Volusia Historical Society opened the museum in 2004.

Activity: We’ll visit the museum and the Turnbull settlement exhibit, at one time the largest British settlement in the United States. You’ll see a timeline of the history of New Smyrna Beach from prehistory through 11 distinct periods of local history. There are also three videos available and other interactive exhibits for children to examine. While this is a self-guided tour, volunteers are on hand to answer questions. A tour guide can be arranged for larger groups and upon special request.

Special notes: Rangers and their families can visit Emory L. Bennett Park across the street and see a monument dedicated in his honor. PFC Bennett was awarded the Medal of Honor for his actions during the Korean War. Rangers can see Old Fort Park one block north. It’s a great place for a picnic. Please call the museum in advance. Staff will attempt to add extra activities to the ECHO Rangers program, and these may have specific start times. We don’t want the children to miss anything!

RSVP at least one week in advance.

Ormond Beach Historical Society

Fortunato Park, 2 John Anderson Drive, Ormond Beach

www.ormondhistory.org

RSVP: Elysha Petschauer, 386-677-7005

1:45 to 2:45 p.m. on these Saturdays:

Sept. 29, 2018

Feb. 9, 2019



Site description: Fortunato Park is a 2.6-acre Halifax riverfront park located on the northeast corner of the Granada Bridge across from The Casements and the Rockefeller Gardens. It is the site of the Ormond Cupola, which is a historic landmark and the remaining vestige of the Ormond Hotel, which was located

across the street from 1888 to 1992. The hotel was built by early Ormond pioneers and purchased by John D. Rockefeller's partner, Henry Flagler.

Activity: We will unlock the doors to the Ormond Cupola and tell the story of the Ormond Hotel through pictures, artifacts and stories. Then we will gather outside to hear information about the rich history of Ormond Beach: the Timucuan Indians who lived here before the arrival of Ponce DeLeon in 1513, plantation settlers from the late 1700s and early 1800s, the beginnings of Ormond in the mid-1800, and the story of the railroad and the four bridges that spanned the river. Participants will receive historical pictures and handouts of local people and sites.

Notes: This is mostly an outside experience. Wear weather appropriate clothing. Cameras are allowed. Parking is ample at the park, which also has restrooms and a water fountain. If you are attending events in Ormond Beach on these dates at The Casements and the Ormond Memorial Art Museum and Gardens, drive from the museum to Granada Boulevard, turn left and take your first right onto John Anderson Drive. The park entrance is on your left.

RSVP a week in advance.

Ponce Inlet Historical Museum

143 Beach St., Ponce Inlet

www.ponce-inlet.org

RSVP: Amy Zengotita, 386-236-2163

azengotita@ponce-inlet.org

10 a.m. to 2 p.m. on these Saturdays:

Sept. 8, 2018 (Grandparents Day) Special Event

Dec. 8, 2018 (Old Fashioned Christmas) Special Event



Site description: Take a step back in time at the Ponce Inlet Historical Museum! Ponce Inlet has a long and interesting history that dates back to the early 1800s. Discover how the pioneering families lived, what they did, and who they were. The museum consists of two historic buildings: the Hasty

Cottage and the Meyer-Davis House. The Hasty Cottage was built in 1922 as a duplex fishing cottage. It was later owned by the last civilian lighthouse keeper, Edward L. Meyer.

Activity: Enjoy a self-guided tour with an ECHO Ranger Q-and-A worksheet at the volunteer desk. When you've completed the tour, return the worksheet for your ECHO Ranger stamp. Or you may attend one the museum's special events.

Note: The museum is open most Saturdays. Please call ahead for museum hours. Reservations are required to ensure staffing.

Visit Ponce Preserve at 11 a.m.

Reservations are required!

Ponce Inlet Lighthouse and Museum

4931 S. Peninsula Drive, Ponce Inlet

www.ponceinlet.org

RSVP: Mary Wentzel, 386-761-1821, ext. 18

1:30 to 2:30 p.m. on these Sundays:

Oct. 7, 2018

Nov. 4, 2018

Dec. 2, 2018



Site description: The Ponce Inlet Light Station was built in 1887 and has eight original restored buildings, including the lighthouse tower, three separate keeper's houses and out-buildings, and an oil storage building. In addition, there is a lens museum building, boat yard, nature trail and gift shop.

Activity: Where in the world is the Ponce Inlet Lighthouse? Learn why the lighthouse was placed on this very spot. We will also answer the questions: why is the Ponce Inlet Lighthouse so tall and why is

geography so important to the building of lighthouses?

Note: Flip-flops are not allowed. Wear sneakers for the climb up the tower. Back packs, drinks and food are not permitted on the lighthouse grounds. For safety, the lighthouse tower will be closed during thunderstorms. However, all other activities will continue.

RSVP at least one week in advance.

Space is limited to 15.

Veterans Museum and Educational Center

166 S. Beach St., Daytona Beach

www.VMAEC.org

Contact: Margaret Tedrick 386-679-4812

email: roaminscot@gmail.com

10 a.m. to noon on these Saturdays:

Aug. 18, 2018

Nov. 3, 2018

April 20, 2019



Site description: The museum is a tribute to American patriots – our veterans. All the artifacts and memorabilia were donated by veterans and friends of the museum.

Activity description: Tour the museum with a veteran and hear stories from the various wars and see exciting artifacts, such as model ships, aeroplanes, rifles,

bayonets, military uniforms and more.

West Volusia Historical Society

137 W. Michigan Ave., DeLand

www.delandhouse.com

RSVP: Frank Johnson, 386-740-6813

email: DelandHouse@msn.com

1:30 to 2:30 p.m. on these Saturdays:



Sept. 22, 2018: Who is the bold man in the uniform standing on the docks welcoming the steamboat passengers? What is that amazing building in the distance? Sip lemonade and enjoy petit fours. Sit in the rocking chairs on the veranda as the captain tells scary tales of how he ended up in jail during the Civil War and lost everything. Make your own steamboat ticket.

Oct. 27, 2018: Meet Helen DeLand. She's coming to celebrate her dad's 184th birthday with us! Let's welcome her and help make a cake for Henry A. DeLand, the city's founder. If we ask, she might read from her diary about what our city was like long ago. Make a birthday card for Henry A. DeLand.

Feb. 2, 2019: What was it like to see a doctor 100 years ago? If you were black, would you have trouble finding a doctor? Hear about Dr. George Henry Starke, Sanford's first black doctor. His brother, Lancaster, was also a famous doctor in DeLand. Learn about the city's first black hospital, the Burgess Building. Dr. Samuel Poole was DeLand's first dentist. See his dental chair and instruments. Learn the names of medical instruments and draw them. Listen to your heartbeat with a stethoscope.

*This activity will be held at the historic black hospital, Burgess Building, Bill Dreggors Park, DeLand.

May 4, 2019: Memorial Day is coming, May 27. Why is it a national holiday? What does "memorial" mean? Come and find out. Learn about the life of a soldier and how to fold an American flag. Learn to sing patriotic songs, like the Armed Forces Medley and the Star Spangled Banner, as we parade-march with our flags! Make an American flag to take home and a soldier puppet.

RSVP at least one week before each activity.

50-H



OUTDOORS

**ECHO Rangers must complete
at least two activities in this category.**

51-O

Gemini Springs Park

37 Dirksen Drive, DeBary
www.volusia.org/parks



This is a self-guided family adventure.

Site description: Gemini Springs Park has two lively springs that generate approximately 2 million gallons of fresh water each day! Since the 1800s, farming operations on this 210-acre parcel have included growing timber, citrus and sugar cane; raising cattle; and tapping longleaf pine trees for turpentine.

Activity: Gemini Springs offers wonderful glimpses into nature. Write down five animals you see here:

Directions: Gemini Springs Park is on Dirksen Drive in DeBary. From South 17-92, turn onto Dirksen Drive and right into the park entrance.

DeLeon Springs State Park

601 Ponce de Leon Blvd., De Leon Springs, 32130
www.Floridastateparks.org/deleonsprings
386-985-4212

This is a self-guided family adventure. The park is open from 8:00 a.m. to sundown daily.

Sept. 22, 2018

Oct. 20, 2018

Nov. 17, 2018

Dec. 15, 2018

Feb. 23, 2019

March 23, 2019

April 13, 2019

Site description: Native people known as the Mayaca first lived here over 6,000 years ago. Ponce de Leon never visited the area! Local residents changed the name from Spring Garden to Ponce de Leon Springs and the Fountain of Youth to attract tourists in the late 1800s. The site was a cotton and sugar plantation using enslaved Africans for labor, from the early 1800s until 1864, near the end of the Civil War. The 1900s brought a hotel, an attraction with a water skiing elephant, and finally a state park in 1982. The outstanding feature of this 625-acre park is the spring, which produces 19 million gallons of water each day. An abundance of wildlife can be seen, including manatees, black bears and bald eagles. One ancient cypress tree, which is about 600 years old, remains.

Activity: Learn about the park's history with a self-guided Visitor Center Scavenger Hunt activity. Then pick up a self-guided Nature Trail Scavenger Hunt to explore the half-mile paved Nature Trail, which is wheelchair accessible. Get a Junior Ranger booklet from a park ranger and complete it to earn a badge, certificate, free park pass, and an extra stamp.

Special notes: Show your ECHO Ranger badge at the Ranger Station for directions to the program sites and Junior Ranger information.



Halifax River Audubon

Location: Spruce Creek Park
6250 S. Ridgewood Ave., Port Orange
RSVP: David Hargrove, 386-788-2630

8:30 to 10:30 a.m. Dec. 8, 2018

Site description: Scenic Spruce Creek Park is on 1,637 acres in Port Orange. Its 536-foot boardwalk begins more than three miles of nature trails leading to the 15-foot observation tower and continues to Rose Bay. The tower overlooks the marsh area near Spruce Creek.

Activity: Rangers will meet at the large picnic pavilion in Spruce Creek Park and then walk over to the fishing dock for our first chance to look for birds on the marsh. Depending on the tides and trail conditions, we may also walk to the bird observation tower.

Hopefully, we will get to see good numbers of the usual suspects: herons, egrets, white and brown pelicans, bald eagles, osprey and whatever migrant ducks are around. If we're really lucky, we might be able to call in a clapper rail. These very secretive birds are there year-round but are difficult to see since they spend their entire lives in the marsh. We will also talk about the different types of mangroves and marsh grasses.

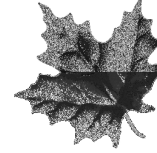
Notes: Please wear your walking shoes.

54-O

Lake Ashby Park

4160 Boy Scout Camp Road, New Smyrna Beach
www.volusia.org/parks

This is a self-guided family adventure.

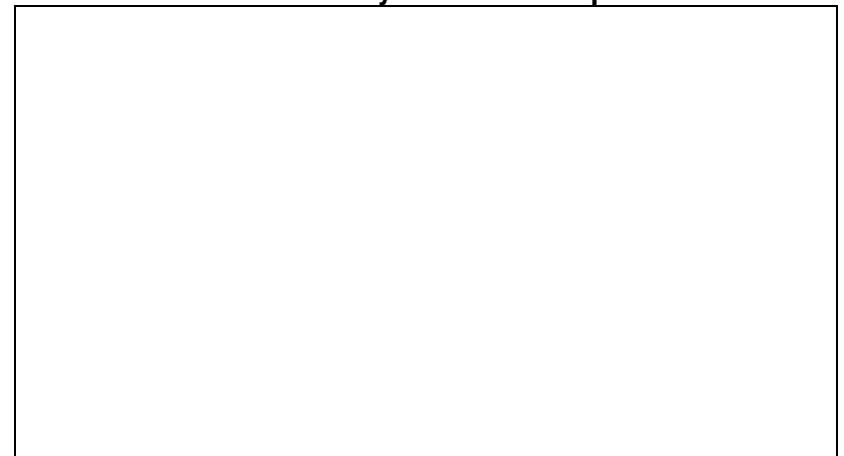


Site description: Lake Ashby was named for Major James A. Ashby, who helped lead the American military forces during the second Seminole War. This relaxing park offers a winding boardwalk through beautiful cypress trees and a hammock that is ideal for bird watching. Picnic pavilions, camping and horseshoes are available. As you walk the trails, you will notice large scars in the trees called "cat faces"; these are from turpentine harvesting in the early 20th century.

Activity: Hike through Lake Ashby Park and see large cypress trees and cat faces on the pine trees. Draw one of the cat faces you see below.

Directions: From Taylor Road in Port Orange, turn south on County Road 415 (Tomoka Farms Road). Drive 4.3 miles and turn left onto Lake Ashby Road. Drive 0.8 miles and turn left onto Boy Scout Camp Road.

Draw one of the cat faces you see on the pine trees:



55-O



Lake Monroe Park

975 U.S. 17-92, DeBary
www.volusia.org/parks
 Open sunrise to sunset

This is a self-guided family adventure.

Site description: Overlooking the St. Johns River as it flows into the waters of Lake Monroe, Lake Monroe Park and campground offer a spectacular view of nature in its most pristine form. Accessible by two boat ramps, the scenic river offers a wealth of recreational opportunities for the outdoor enthusiast including volleyball courts, camping facilities, playgrounds, open spaces and fishing piers.

Activity: Go on an alligator hunt. This park is an excellent spot to see alligators safely from the boardwalk area. List the number of alligators you see and take a picture with the large concrete gator in the park as your stamp.

_____ of alligators present on _____

Directions: Lake Monroe Park is in DeBary, south on 17-92 before the Sanford bridge.

56-O



Lighthouse Point Park

5000 S. Atlantic Ave., Ponce Inlet
mscedu@volusia.org
RSVP: Shell Webster, 386-304-5529

Mornings on these Sundays:

Oct. 7, 2018

Nov. 4, 2018

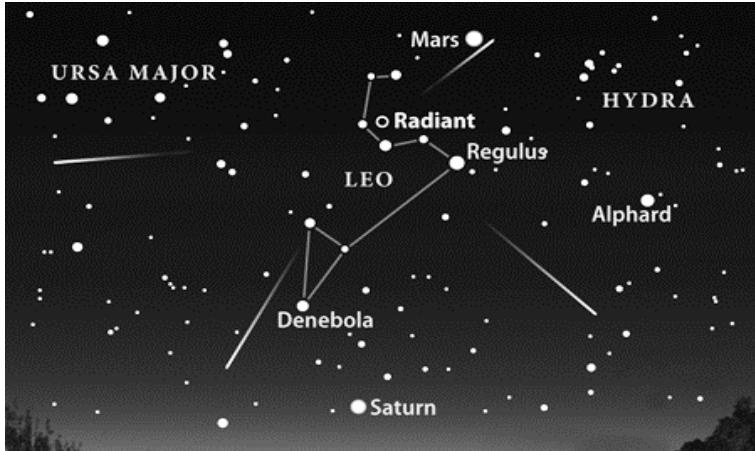
Dec. 2, 2018

Site description: Lighthouse Point Park is at the southern tip of Ponce Inlet. The natural beauty of the undisturbed land has been preserved for all to enjoy. Dolphins frequent the shoreline, gopher tortoises can be found in sandy areas, and other wildlife can be observed. Several ecosystems exist in the 52-acre park.

Activity: Go directly to the park and show the toll attendants your pass. Let them know you are with ECHO Rangers and would like a scavenger hunt.

Earn extra stamps! The Ponce Inlet Lighthouse and Museum and the Marine Science Center will offer activities on a few Sundays at different times, so you can receive three stamps in one day! Bring a lunch if you plan to do all three, so that you can be at the Marine Science Center by noon.

57-O



River Breeze Park

250 H.H. Birch Road, Oak Hill
www.volusia.org/parks
 Open 24 hours

This is a self-guided family adventure.

Site description: Once the site of a Native American village, River Breeze Park overlooks the Indian River and has access to the Mosquito Lagoon. At one time, the land was a thriving citrus grove, producing some of the best citrus products in the world. Today, you can enjoy the natural wonders at this beautiful park.

Activity: River Breeze is the only Volusia County park open 24 hours a day, making it an excellent location to star-gaze. Choose an upcoming meteor shower with your family and go out for a night of counting the “shooting stars.” As your stamp, write down the number of meteors you and your family saw.

2018/2019 meteor showers:

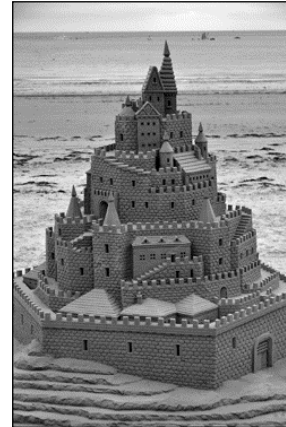
Perseids: Aug. 12	Orionids: Oct. 21
Leonids: Nov. 17	Geminids: Dec. 14
Quadrantids: Jan. 3	Lyrids: April 22 & 23

Number of meteors: _____

Sun Splash Park

611 S. Atlantic Ave., Daytona Beach
 Open sunrise to sunset

This is a self-guided family adventure.



Site description: Beachgoers can sun, splash and beat the heat at Volusia County’s Sun Splash Park. Amenities include an interactive water fountain, decorative walkways, a shaded playground, picnic areas, restrooms, outdoor showers, two beach access ramps and a “cool zone” sponsored by Coca-Cola.

Activity: Plan a family beach day and enjoy Sun Splash Park. One of the most fun activities to do at the beach is to build a sand castle. See how tall you can make your castle and take a picture of it.

Directions: This beachfront park is on the corner of South Atlantic Avenue and Revilo Boulevard in Daytona Beach.

Attach a photo of your sandcastle here.

Tomoka State Park

2099 N. Beach St., Ormond Beach

RSVP: Aggie Armstrong, 386-676-4050 (Ranger Station)

10 a.m. to 3 p.m. on these Saturdays:

Oct. 13, 2018

Nov. 10, 2018

Dec. 8, 2018

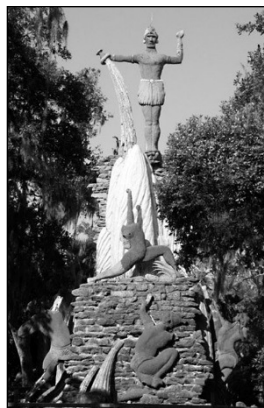
Jan. 12, 2019

Feb. 9, 2019

March 9, 2019

April 13, 2019

May 11, 2019



Site description: In 1605, Alvero Mexia explored the coast from Ormond Beach to St. Augustine. He led his men up a heavily forested peninsula separating the Halifax and Tomoka rivers, where he discovered the Timucuan Indian Village of Nocoroco.

Activity: Explore various programs (living history and educational guest speakers) held from 10 a.m. to 1 p.m. outside the recreation hall (based on availability). When guided programs are not available we will have on hand: self-guided scavenger hunt sheets to

help you explore the half-mile nature trail through a hardwood hammock (interpretive plaques along the trail) that was once an indigo field for the 18th century British landowner Richard Oswald. Junior Ranger kits are available at the ranger station with six cool activities to do at your own pace then receive your official Junior Ranger ID card and certificate when you complete your packet.

NEW – We have two Junior Ranger Explorer backpacks available with really cool activities (water testing, microscopes and more) inside. Ask for it at the ranger station (sign-out required), explore and enjoy, and return it to the ranger station. The activities could take several hours to complete.

Note: Show your ECHO Ranger badge at the entrance to get directions to activity. Activities are subject to change each month. Go to www.floridastateparks.org/park/Tomoka for updates and program notifications. Programs are subject to change without notice.

RSVP at least two weeks before this activity. Space is limited, there are 20 slots per program.



West Volusia Audubon

Location: Lake Woodruff National Wildlife Refuge

2045 Mudlake Road, DeLeon Springs

RSVP: Cyndy Barrow, 386-736-6519

Messages are on a business voicemail and will not say "Audubon," but are received by Cyndy.

3 p.m. Sunday, Jan. 6, 2019

Site description: Lake Woodruff National Wildlife Refuge is an established migratory bird refuge. The park offers opportunities to fish, hike and view many animals in their natural habitat.

Activity: Hike through the dikes and learn about birds and wildlife at the Lake Woodruff Wildlife Refuge. There are more than 215 species of birds. Can we spot them all?

Note: Wear your walking shoes! This tour is weather-dependent.

RSVP at least two weeks before this activity.



West Volusia Tourism Bureau
www.visitwestvolusia.com

This is a self-guided family adventure.



Program description: River Quest is a series of treasure hunts throughout West Volusia County, known as the River of Lakes Heritage Corridor. The quests combine rhyming riddles with maps and GPS coordinates to explore

locations including historic sites, cemeteries, wetlands, and villages. Quests are on-foot adventures that teach the cultural, historical and natural history of the region.

Activity: Visit the West Volusia Tourism Bureau website and choose one of the three quests in our area to complete. Each quest ends with a treasure box, called a cache, with a stamp. Use the stamp in the cache as your ECHO Ranger stamp for this activity.

Directions: Visit www.visitwestvolusia.com, click on "What to do" and scroll to "Free things to do." Look for "River Quest Treasure Hunts." Choose your adventure and print out your clues.



ECHO Extras

Earn multiple stamps in one day!

Parents, don't miss out on great opportunities to let your ECHO Ranger earn multiple stamps in one day. Listed below are sites that are close to each other and offer programs on the same day.

Sept. 29, 2018

Feb. 9, 2019

The Casements, Ormond Memorial Art Museum, Ormond Beach Environmental Discovery Center, and Ormond Beach Historical Society have joined to offer three amazing programs conveniently timed and located. Michael Crotty Bicentennial Park, which offers a self-guided tour, is also nearby.

Oct. 7, 2018

Nov. 4, 2018

Dec. 2, 2018

Lighthouse Point Park, Marine Science Center and the Ponce Inlet Lighthouse have joined forces to give you back-to-back-to-back great programs – all within walking distance!

Jan. 12, 2019

Marine Discovery Center and the New Smyrna Beach Museum of History are just one mile from each other just off the beautiful Indian River.

There also are multiple self-guided sites close to each other.

SELF-GUIDED FAMILY ADVENTURES

ECHO Rangers are encouraged to continuously explore their environment, culture, heritage and outdoors; however, only one outside adventure will count toward a bonus stamp. Self-guided ECHO Adventures may include fees. In addition to the adventures listed on previous pages, you can earn stamps for these activities.

Make your own ECHO adventure!

Site description: Find an ECHO activity in Volusia County to receive a bonus stamp! Tape or paste a memento from your self-guided adventure to this page, such as a program from a play, a ticket stub from a concert, a postcard from a local park, or a receipt from a camp site.

Activities: You can find great ideas in the newspaper or online.

Check out:

www.echotourism.com

www.riveroflakesheritagecorridor.com

**Attach a memento
of your self-guided
family adventure here.**

Volusia County Public Libraries

www.volusialibrary.org

This is a self-guided family adventure.

Earn a stamp by checking out materials!

Site descriptions: Volusia County has 13 public libraries. Library cards are free to all residents and are valid in all branches.

Activities: Experience the **E**cology, **C**ulture, **H**eritage or **O**utdoors through the wonders of the printed word, video or CD. Visit the library and check materials (book, video or CD) from each ECHO category to take home and enjoy. Ask the librarian to initial your guidebook; this will serve as your official ECHO Ranger stamp. Don't forget your library card! If you don't have one, this is the perfect opportunity to start a great habit of visiting the library.

Write the title and author's name of the book, video or CD you check out:

Ecological book, video or CD: _____

Author: _____

Cultural book, video or CD: _____

Author: _____

History book, video or CD: _____

Author: _____

Outdoors book, video or CD: _____

Author: _____

Ponce Preserve

4401 S. Peninsula Drive, Ponce Inlet

RSVP: Amy Zengotita, 386-236-2163

Site description: Stretching from the Atlantic Ocean to the Halifax River, Ponce Preserve gives visitors a chance to see Florida as it used to be. From the beach through the maritime hammock past the Green Mound and over the marsh to the river, this 40-acre park offers nature at its best.

Activity: Walk through the trails for a self-guided tour to learn about the native plants, trees, animals, and the native people who lived here over 2,500 years ago. In place of an ECHO Ranger stamp, locate the Green Mound Live Oak and draw a picture of the tree.

**Tape your picture of the
Green Mound Live Oak
here.**

Notes: Good walking shoes, water, bug spray and sun block are recommended. Siblings are welcome to visit the preserve during the program; however, only registered Rangers may participate in the activity. It is difficult to maneuver strollers along the trails in the center portion of the park. Participants are welcome to stay after and enjoy the picnic area and explore the rest of the preserve.

Lyonia Environmental Center

Early release programs

2150 Eustace Ave., Deltona

www.lyoniapreserve.com

RSVP: 386-789-7207, ext. #21028



2:30 to 4 p.m. Wednesday, Nov. 7, 2018

All about owls

Activity: Learn about owl species commonly seen in Volusia County and how to identify them by sight and by their calls. Participate in a hands-on lab to learn about basic owl anatomy, feather design, diet and their role in nature's food chain while examining an owl pellet. This program is limited to 20 participants.

2:30 to 4 p.m. Sunday, March 3, 2019

Snakes of Florida

Activity: Learn about the common venomous and non-venomous snakes found in Florida, their beneficial role in nature, and how we can live in harmony with them. Witness a live feeding of the LEC's educational snakes followed by a short nature walk in Lyonia Preserve to learn about their preferred habitat and diet in the wild.

2:30 to 4 p.m. Sun., May 12, 2019

Activity: Learn about monarch butterflies – what they eat, how long they live, their amazing migration patterns, metamorphosis, and how to attract them to your yard. Create a butterfly life cycle craft and explore the LEC butterfly garden while learning to identify some of the common butterflies seen in Volusia County. This program is limited to 20 participants

Notes: Participants must wear long pants and closed-toe shoes and bring water and bug spray. Siblings are welcome to visit the LEC during the program; however, they may not participate in the ECHO Ranger program unless they are registered ECHO Rangers.

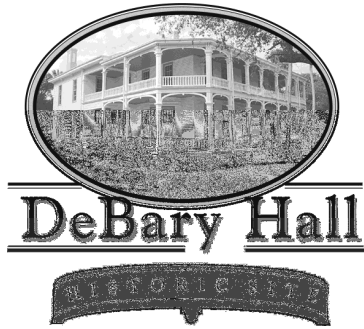
RSVP at least one week in advance.

DeBary Hall Historic Site Tuesday early release programs

210 Sunrise Blvd., DeBary

www.debaryhall.com

RSVP: Tracy Mestre, 386-668-3840 or tmestre@volusia.org



2:30 to 4 p.m. Jan. 15, 2019

Come join the staff at DeBary Hall for an after-school bike ride. Learn about southwest Volusia County history as well as cultural and ecological topics as we bike to Gemini Springs Park and back. This activity requires a bike and helmet.

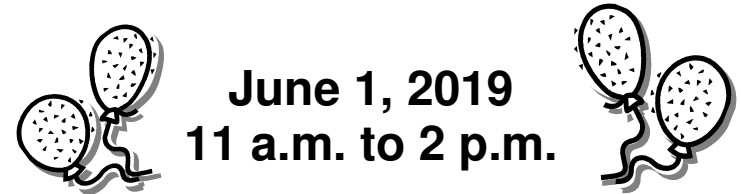
2:30 to 4 p.m. April 2, 2019

Travel through time with a family-friendly scavenger hunt. The deBarys owned the hall for nearly 70 years. Learn new facts about all of our buildings and grounds as you follow the clues. After the hunt, there will be an art project in honor of our time as the Florida Federation of the Arts. Experience nearly 100 years in a single afternoon.

RSVP at least one week in advance. Accurate numbers are important to ensure we have enough equipment for all.



GRADUATION PICNIC



After a year of adventures, it's time to party!

Join us at DeBary Hall Historic Site
for a day of games,
waterslides, food and fun!

Bring your completed ECHO Ranger
"Passport to Adventure" guidebook
to be a part of the graduation
ceremony and win prizes!