



Acadia Paw Press

Centennial Challenge Benefits Students

The National Park Service will celebrate its 100th birthday in 2016. In an effort to invigorate the national parks, the federal government allocated funds to match partner contributions that will help parks meet their own “Centennial Challenge.” National parks have used that money for many projects, including trail development, habitat restoration, and wildlife protection. Acadia’s 2008 initiative focused on efforts to engage youth, which directly benefitted area students and teachers. Here are just two of the park programs that received funding through the park’s Centennial Challenge project.

New Global Positioning System (GPS) Units

The park purchased ten GPS units (Garmin GPSMap76) with Centennial Challenge funds to loan to educators wishing to use Acadia’s outdoor EarthCache program with their classes. Students can learn about local geology while working as a team and becoming familiar with GPS technology. The park’s EarthCache program is accessible by road from April 15 to December 1 (weather permitting). Sections of it can also

be approached by hiking park trails. To sign out the GPS units or to get more information about the EarthCache program, contact the education office. (Want to learn more about GPS? See page 3 for the “Acadia by GPS” teacher workshop.)

Curriculum-Based Program Assistance

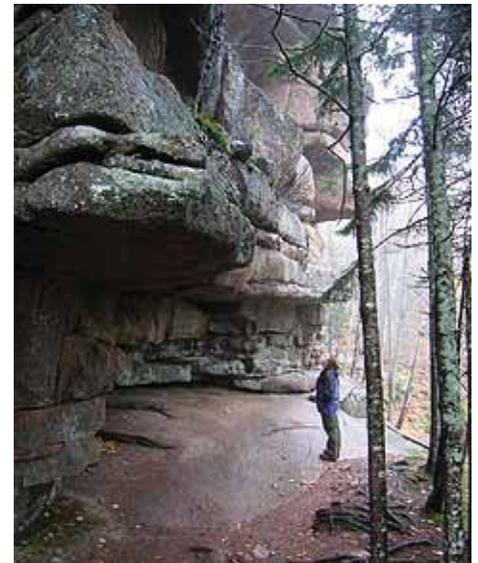
Last fall we were able to provide carriage rides for 200 third-grade students and ferry 150 fifth-graders over to Little Cranberry Island and the Islesford Historical Museum at no cost to schools. In addition, Schoodic Education Adventure

(SEA), our middle school residential program, saw record numbers. Twenty-two schools traveled to the Schoodic campus—a total of 660 students and 100 teachers and chaperones. Twelve of these schools received financial assistance for tuition and transportation, amounting to \$23,175!

At this time, it is unknown if Acadia’s Centennial Challenge funding will be continued in 2009. We sure hope it will, so we can continue our efforts to reach students and teachers throughout Maine and beyond.



New GPS units funded by the Centennial Challenge will help teachers and students learn about the park’s geologic history through the EarthCache program.



National Park Service Websites

www.nps.gov/acad

The official website of Acadia National Park. Includes information on park resources, trip planning, and more.

www.nps.gov/acad/forteachers

The home of Acadia National Park's education program. Offers links to teacher, parent, and student resources; the Junior Ranger program; online activities for kids; and more.

www.nps.gov/learn

National Park Service curriculum-based learning tools, teaching resources, and online activities.

www.efieldtrips.org

Includes interactive virtual national park visits, trip journal worksheets, "ask an expert," and live web chats.

www.nps.gov/webrangers

The online Junior Ranger program for kids of all ages



National Park Service
U.S. Department of the Interior

Acadia National Park protects more than 47,000 acres of granite-domed mountains, woodlands, lakes and ponds, and ocean shoreline, creating striking scenery and diverse habitats. This diverse environment combines with a rich cultural history to create unparalleled scientific, educational, and recreational opportunities in a spectacular setting.

Education Office

Acadia National Park
P.O. Box 177
Bar Harbor, ME 04609

Phone

Cynthia Ocel 207-288-8822
Kate Petrie 207-288-8808/207-288-1312
Michael Marion 207-288-8823
Donna Healy 207-288-8824

Fax

207-288-8831

E-mail

acad_education_office@nps.gov

The National Park Service cares for the special places saved by the American people so that all may experience our heritage.

Staff News

We welcome TORI MARSHALL from Corea, Maine, as an education intern this spring. Tori graduated from the University of Maine at Machias with a degree in recreation and tourism management. Her work experiences include summer camp counselor, national wildlife refuge intern, and Appalachian Mountain Club visitor center assistant.

Our second intern is CINDY HANNON, who is originally from Massachusetts but has been working at UCLA for the past couple years. She has various teaching experiences and holds a bachelor's degree in history and a master's in social work.

KATE PETRIE had a busy winter overseeing a number of projects—e.g., new kids' web pages content, adult education classes, ATM broadcast programs, artist-in-residence (more than 100 applicants!), and more. Check out her multi-day teacher institutes this summer listed on page 6.

MICHAEL MARION participated in a new interpretive coaching

course held at the Schoodic Education and Research Center and sponsored by the Northeast Region of the National Park Service. As a registered coach, Michael will be able to provide our seasonal staff with increased opportunities for training and other professional development.

This past fall DONNA HEALY attended the Governor's "Take It Outside" conference on youth and the natural world held in Augusta (www.take-it-outside.com). Break-out sessions focused on families, health, schools, and recreation. Donna keeps our teacher database updated so send her any changes to your contact information.

CYNTHIA OCEL spent a week at the George Wright Society Conference in Portland (Oregon!) in early March. This biannual conference is an interdisciplinary professional meeting on parks, protected areas, and cultural sites. One of the conference themes this year was "Keeping It Real: Engaging with Youth," which certainly applies to Acadia's education program.



Teacher Workshops

Friday, May 1, 9:30–3:30 p.m.

Project WILD AQUATIC

Park Headquarters, Acadia National Park

Learn hands-on, K–12 multidisciplinary conservation activities focusing on wildlife and their habitats. Workshop fee includes a 40+ page activity guide plus a variety of posters, handouts, and prizes. Fee: \$25/teacher; \$15/college students. Call 207-288-8822 or e-mail cynthia_ocel@nps.gov for details and to register. Registration deadline is April 27.

Tuesday, May 12, 3–6 p.m. or Thursday, May 14, 3–6 p.m.

Acadia by GPS

Location TBD, Acadia National Park

Join us for a new workshop exploring the educational potential and practical use of Global Positioning System (GPS) units. Our staff is currently developing a new curriculum-based program for the fall that will allow students in grades 6–12 to use GPS technology to explore the park. Ten GPS units are available for use by teachers and students to complete the existing Acadia EarthCache program, which focuses on learning about the park’s significant geological resources.

The upcoming workshop will allow teachers to become familiar with operating a GPS unit and enable them to successfully complete the EarthCache with their students. In addition to hands-on practice with the GPS units, participants will learn how GPS works, how it is used by Acadia staff, and how it can be used to teach a variety of subjects. Teachers will have the chance to field-test prototype student activities and will be welcomed to provide input into the content and development of the student programs for the fall and beyond. Contact Michael Marion at 288-8823 or michael_marion@nps.gov to register.



Teacher workshops help teachers bring the park back to the classroom.

Earth Day Event

Saturday, April 18, 9 a.m. – 4 p.m.

College of the Atlantic

Stop by Acadia National Park’s booth at this fun and educational festival. There are lots of great speakers, performers, workshops, food, children’s activities, and freebies. This year’s theme is “What on Earth are YOU doing?” Park staff will be there to answer questions, show artifacts, and share ways you can explore and protect your national park.

National Junior Ranger Day

Come join the fun on **Saturday, April 25, from 11 a.m. to 3 p.m.**

As part of National Park Week, Acadia National Park and the Abbe Museum have teamed up to offer the 2009 National Junior Ranger Day. Family groups with children 12 and under are invited to come join in the fun as we explore, learn, and discover how to protect your national park. There is no charge to participate; children must be accompanied by an adult.

Bring a lunch and have your own picnic on the lawn, play habitat games, visit a beaver pond, and learn about Acadia’s wildlife, native plants, and human history. Enjoy a hike in the woods. The program runs rain, snow, or shine; dress in layers. Call 207-288-3338 for more details.

Artist-In-Residence

Did you know Acadia has hosted an artist-in-residence program since 1994? Artists representing all mediums and all parts of the country have come to the park to share their talents and passions with the public.

Artists-in-residence spend 2–3 weeks at Acadia during the spring and fall seasons. In the fall, they become an integral part of our SEA program. Every visiting school group receives an interactive program with the current artist, inspiring the students and encouraging their creative sides.

This spring, two resident artists will present hands-on activities as part of National Junior Ranger Day. Join them at Sieur de Monts on April 25 and let out the artist in you!



Karen DeMauro, 2008 artist-in-residence, led SEA participants in a play about author and environmentalist Rachel Carson.

Adult Education

For the past several years, Acadia's interpretation staff has offered community classes about park resources through the local adult education program. This winter we branched out and offered an evening program series at both Mount Desert Island and Ellsworth high schools. Participants could sign up for one or more evening sessions on such topics as art in the park, astronomy, geology, wildlife, marine life, and others. Teachers may get contact hours for any session. Keep this in mind for next winter and sign up to learn more about your national park neighbor.

Acadia National Park High School Internship Program

The park is launching a brand-new internship program for high-school students. For more information about the internship opportunities listed below, contact Acadia Volunteer Coordinator Jonathan Gormley at jonathan_gormley@nps.gov or 207-288-8716.

Fisheries Field Technician 8 hrs/bi-weekly Fall/Spring

Work with a graduate student or park biologist in conducting field activities as part of a research study investigating how movements of resident or sea-run brook trout are related to growth, reproduction, survival, and responses to environmental conditions.

Raptor Field Technician 6–8 hrs/week Late Winter/Spring

Assist the park biologist in monitoring the activities of peregrine falcons at three or four nesting cliffs in the park. The student will record observations and complete data records as well as communicate raptor activities to the park biologist or staff.

Museum Assistant Flexible Schedule Any Season

Assist in caring for the park's museum collections from archeological specimens to documents, wildlife and plant specimens, books, and art. Some collections require research or computer documentation; others need careful cleaning; and others need labels or creation of exhibit materials. There will be opportunities to use the collections to research a senior exhibition project. Work is indoors, at the museum collection facility at park headquarters on Eagle Lake Road.

Shop Assistant 1 or more afternoons/week Fall–Spring

Assist park mechanics in the auto/small engine shop. The student will learn about and work in the shop. Student should have more than two hours to spend at a time during the usual shop schedule.

Schoodic Education Adventure

The Schoodic Education Adventure program is now accepting applications for fall 2009. Programs start September 9 and run through mid-November. The cost of \$50 per student covers most meals, lodging, and programming for three days. A four-day program is available for \$75 per student. Scholarships and transportation funding assistance are available. To find out more or obtain an application, visit our website at www.nps.gov/acad/forteachers/seaprogram.htm or send an e-mail to kate_petrie@nps.gov.



SEA students explore with a ranger.

Teacher-Ranger-Teachers

In 2008, Acadia National Park was fortunate to have three classroom teachers spend 8–10 weeks in the park, experiencing and learning about Acadia’s resources and how the National Park Service manages and protects them. They carried their new ideas and knowledge back to school and are using them to share our national heritage with their students and colleagues. Find out more about their experiences by reading the teacher-ranger blogs and inaugural newsletter at www.nps.gov/acad/forteachers/teacher-ranger-teacher.htm.

Sixteen national park sites in the northeast including Acadia will sponsor teacher-rangers this summer. We had many exceptional applicants and are pleased to announce the following 2009 teacher-rangers.

From Hinsdale High School in New Hampshire comes Maggie Harnois. Maggie teaches American studies and world history. She has successfully integrated technology into her classroom and is involved in a new school outing club.

Sharon Kozura teaches seventh grade in Fort Fairfield, Maine. She loves the outdoors and has developed a year-long curriculum that takes kids outside on hikes and in canoes.

Our third teacher, Nena Shaheed, is currently teaching secondary earth science and horticulture in Brooklyn, New York. She has visited a number of national parks and is excited about getting to wear the ranger uniform and sharing the gift of Acadia with park visitors and her students.

International Year of Astronomy

This year marks the 400th anniversary of Galileo’s use of a telescope to investigate the starry skies. The International Year of Astronomy, IYA2009, is shaping up to be an international effort to celebrate all things celestial and encourage the young and adult alike to delve into the universe.

Acadia National Park will be participating through a series of events in national parks across the nation called “Dark Skies in Parks.” Throughout the summer, Acadia will offer a star-viewing event called Stars Over Sand Beach, as well as sensory night hike, Knowing the Night, to help promote the night sky and encourage families to discover the universe.



Teacher Institutes at Schoodic Point

In addition to spring workshops on Mount Desert Island, Acadia National Park is offering teacher institutes at the Schoodic Education and Research Center in Winter Harbor, Maine. To find out more about our teacher institutes and scholarships, visit our website at www.nps.gov/acad/forteachers/professionaldevelopment.htm or e-mail kate_petrie@nps.gov.

June 24–25, July 7–8, or
October 13–14, 2009

Integrating Field Research Activities into Classroom Curricula (1.2 CEUs)

Integrate field research activities into your classroom curricula with the Schoodic Education Adventure program. Join us for this two-day workshop to collect field data, apply it to classroom lessons, and connect it to real-world applications in America's national parks.

Participants will:

- Create schoolyard investigation kits for their classrooms
- Be introduced to field-based activities that can be reproduced in a number of field settings
- Learn classroom-based activities relating to science, social studies, technology, math, language arts, small group communication, public speaking, art, health, and citizenship
- Use GPS units and computers to create digital maps of study sites
- Study forest community structure, marine biodiversity, geology, soil development, and New England history
- Qualify for student scholarships and transportation assistance for the SEA program (optional)

The cost is \$225; scholarships are available. Fee covers meals, lodging, and supplies.

Three-Day Institutes

July 21–23, 2009

Teaching Earth Science Using National Parks

- Open to all grade 3–9 teachers
- Tour geologic and soil science features in the field
- Learn about National Park Service resources available to teachers
- Develop multidisciplinary activities to take back to your classroom

August 3–5, 2009

Social Studies, Science, and Careers in Conservation

- Open to all grade K–9 teachers
- Interact with scientists studying Maine's unique environment
- Explore the wide range of National Park Service resources available to teachers across the U.S.
- Visit an offshore island and learn how early artists, Native Americans, and coastal environments can intersect in your classroom
- Develop activities in multiple subjects to take back to your classroom

August 10–12, 2009

Integrating National Park Resources and Scientific Research Across the Curriculum

- Open to all grade 3–9 teachers
- Interact with scientists studying Maine's unique environment
- Explore the complex issues and impacts associated with exotic species, pollution, resource overuse, coastal geology, and protection of archeological sites
- Develop multidisciplinary activities to take back to your classroom

The cost for these three-day, two-night teacher institutes is \$420; scholarships are available. Fee includes fully furnished accommodations, as well as meals, on-site transportation, books, and materials. Participants earn 2 CEUs arranged through the University of Maine and qualify to attend the SEA program (optional). These institutes are limited to 20 participants each.

Acadia National Park - 2009 Spring Programs



THIRD GRADE

What Do Rangers Do?

A one-hour classroom presentation about the mission of the National Park Service and the different jobs in the park. This is part of the student requirements to become a Junior Ranger, along with workbook activities and Junior Ranger Day at Acadia. *Available April 6 through May.*

Junior Ranger Day

The final step in becoming a Junior Ranger! Students take the Junior Ranger pledge and participate in a park clean-up and service project. If participating, please fill out the Junior Ranger Day volunteer form in this newsletter. *Available May to June 5.*



FOURTH GRADE

Carroll Homestead

Find out what it was like to live on Mount Desert Island 100 years ago. Includes a special tour of the Mountain House and a look at the daily life of a local family. *Available April 13 to June 5.*



FIFTH GRADE

Where in the World Is Tuzigoot?

Explore the history and mission of our natural and cultural heritage through our country's diverse National Park System. This 90-minute classroom presentation engages students with hands-on artifacts and small-group investigations. *Available April 6 through May.*

Shoreline Discovery

Who lives in the mudflats? What causes the tides? How are animals and plants adapted to life in a tidepool? How does the forest survive next to the sea? Discover the answers to these and other coastal questions. *Available April - 16,17; May - 1,15,18,19; June - 1,2.*



SIXTH - EIGHTH GRADE

Fire and Ice - Discovering Acadia's Geologic Past

While hiking around Great Head, we will read the landscape and hear the story of Acadia's geologic past. See evidence of the local rock cycle, glacial features, and plate tectonics. Warning: Sections of the hiking trail are steep! This program works best as a review of basic geologic terms and processes studied in the classroom. *Available April 6 to June 5.*

Reservation deadline is March 20!

Acadia National Park - Program Reservation Form

Teacher Name(s) _____

School _____

School Phone # _____ # of Students _____

E-mail Address _____

Please return by Friday, March 20, 2009.
 Return in one of three ways:
 • E-mail as an attachment to cynthia_ocel@nps.gov
 • Fax to 288-8831
 • Mail to Education Office
 Acadia National Park
 P.O. Box 177
 Bar Harbor, ME 04609

*****Please make a separate copy of this form for each program you request!*****

Please check one

	Third Grade – What Do Rangers Do? 60-minute classroom presentation for upcoming Junior Rangers. <i>Available dates: April 6 through May</i>	<i>PLEASE SPECIFY TIMES</i>
	Third Grade – Junior Ranger Day Please fill out Junior Ranger Day volunteer sheet with this form. Locations vary and will be noted on your confirmation. <i>Available dates: May to June 5</i>	Time: 9 a.m. – 12 p.m.
	Fourth Grade – Carroll Homestead <i>Available dates: April 13 to June 5</i>	Time: 9 a.m. – 1 p.m.
	Fifth Grade – Where in the World is Tuzigoot? 90-minute classroom presentation. <i>Available dates: April 6 through May</i>	<i>PLEASE SPECIFY TIMES</i>
	Fifth Grade – Shoreline Discovery <i>Available dates: April – 16,17</i> <i>May – 1,15,18,19</i> <i>June –1,2</i>	Time: 9 a.m. – 12:30 p.m.
	Sixth through Eighth Grades – Fire and Ice Please circle the grade level participating: 6 7 8 <i>Available dates: April 6 to June 5</i>	Time: 9 a.m. – 1 p.m.
First Choice Date		
Second Choice Date		
Third Choice Date		

Note: Please let us know in advance if you have any conflicts with the scheduled program times.

- What pre-visit activities will you be doing with your students?

Program educator’s guides (except Tuzigoot and Shoreline) are available for download on the park’s website at www.nps.gov/acad/forteachers/lessonplansandteacherguides.htm.

- Note below any special requests or needs, including accessibility or medical issues.

A confirmation letter will be mailed within one week of processing your program request. If a program is scheduled for the week of April 6–10, you will also be contacted by e-mail or phone.

Office Use Only:	Confirmation sent:	Program date:
------------------	--------------------	---------------

