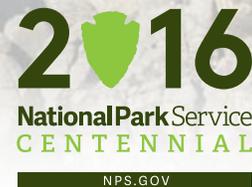


Mount Rushmore National Memorial

2015 Education Programs

The Interpretation and Education Team at Mount Rushmore National Memorial is pleased to announce our 2015 education programs. One of the goals of the National Park Service as we approach our 100th birthday is to connect with and create the next generation of park visitors, supporters and advocates. We invite you to take advantage of our variety of program offerings, either in your classroom or at the memorial.



Explore Mount Rushmore Digitally

K-12 Curriculum Guides

In partnership with CyArk, Mount Rushmore National Memorial has developed ten lesson plans that feature hands-on and computer based activities. These plans adhere to the National Common Core Standards. Lesson plans are available for free with online registration. Lesson plans download in a compressed folder containing activity instructions, slideshows, and student sheets. To access lesson plans, go to: <http://archive.cyark.org/education-lesson-plans>.



Virtual Tour

A new mobile app has been created through the digital partnership with CyArk. The mobile app is available free on iTunes for iPhones and iPads. The app features a 360-degree virtual tour of the mountain, and videos and photographs pulled from the digital data. Through the app, students can get close up views of the faces and venture into the Hall of Records behind the mountain. To download the app, scan the QR code above, or go to: <http://archive.cyark.org/rushmore-app>.



Field Trips to Mount Rushmore

Mount Rushmore National Memorial welcomes school groups throughout the year for self-guided tours that include the movie, Mount Rushmore - the Shrine, the Lincoln Borglum Visitor Center's exhibit hall, and the half mile Presidential Trail. During our Field Trip Season, April 13 through May 8, school groups may participate in a ranger led activity in the historic Sculptor's Studio. These ranger talks are available by reservation only, pending ranger availability.

To defray the cost of school bus parking at Presidential Parking Inc., teachers may apply to have bus fees paid with funds provided by the Mount Rushmore Bookstores.

To reserve a ranger program or to apply for a bus parking scholarship, please see our website at www.nps.gov/moru

Rushmore Rangers in the Classroom

Rangers are available January 12 through April 10, 2015 for classroom programs

Education outreach programs are designed to support South Dakota curriculum content standards and are available free of charge to Black Hills area schools. We request that teachers remain in the classroom during these programs.

TO REQUEST A CLASSROOM PROGRAM, PLEASE FIND THE APPLICATION ONLINE AT WWW.NPS.GOV/MORU

KINDERGARTEN

Finding Shapes on the Mountain (Available Tuesday through Friday)

Ranger Jim 30 minutes

Nature is full of varying shapes that are contained within a single object. Students will practice identifying and naming geometric shapes found within Mount Rushmore. Using a half sheet picture of the memorial, students will find and trace geometric shapes, use the whiteboard to properly identify that same shape for the class, and describe the shape in relative position to those around it.

STATE STANDARDS:

Geometry for K-2 Common Core Curriculum Standards K.G.1, K.G.2, K.G.3, 1.G.2, 2.G.1

SECOND

What Is In a Name? (Available Tuesday through Friday)

Ranger Jim 30 minutes

A few hundred years ago you could have easily seen hundreds of thousands of them across the Great Plains. Today, places like Custer State Park and Wind Cave National Park preserve small remnants of once massive herds of bison. Using a PowerPoint presentation, hands-on specimens, classroom discussion and a graphic organizer, students will learn about bison and write a short paragraph describing them.

STATE STANDARDS:

CCSS.ELA-Literacy.W.2.2. write informative texts introducing a topic, use facts and definitions to develop points, provide conclusion

SECOND

Giants of the Black Hills (Available Monday, Tuesday and Wednesday until March 13, 2015)

Ranger Dave 30 minutes

Using a PowerPoint program, classroom discussions and worksheets, students will explore the making of Mount Rushmore and the history of the four presidents on this national memorial. Students will also learn about the flags of different states and the United States; animals living in the Black Hills; and symbols of the state of South Dakota.

STATE STANDARDS:

2.US.1.1. historical events; 2.US.1.3. historical figures and modern day life; 2.G.1.2. map reading skills; 2.C.1.3. political roles of leaders

Rushmore Rangers in the Classroom

THIRD

Keep the Birds Flying! (Available Tuesday through Friday)

Ranger Jim 45 minutes

Pollutants can make habitats, water and food sources unsafe for wildlife and humans alike. Using a PowerPoint presentation, classroom discussion, a graphic organizer and a game, students will learn about the ways humans impact air, water and habitat quality and will be able to define pollution, habitat and food webs.

STATE STANDARDS:

3.L.3.3. human impacts to air, water and habitat quality

THIRD

The Story of Mount Rushmore (Available Monday, Thursday and Friday)

Ranger Ed 45 minutes

With a presentation, student workbook, and critical thinking activities, students will explore Mount Rushmore as an integral part of their community's history. Students will understand why the memorial was carved, what Mount Rushmore represents, and how Borglum overcame many obstacles during the carving process.

STATE STANDARDS:

3.US.2.2. community's culture and history; 3.C.1.1. human relationships and community roles

FOURTH

The Incredible Journey (Available Monday, Tuesday and Wednesday)

Ranger Sarah 50 minutes

Where will the rain drop that falls on Mount Rushmore be tomorrow? When children think of the water cycle, they often imagine a circle of water, flowing from a stream to an ocean, evaporating to the clouds, snowing or raining down on a mountaintop, and flowing back into a stream. In this activity students will be role-playing a water molecule helping to conceptualize the water cycle as more than this predictable path. A gym or multipurpose room will be required for this activity. Post activity includes the students writing a short story about their travels.

STATE STANDARDS:

2-ESS2-3 Obtain information to identify where water is found on Earth and that it can be solid, liquid or gas. (SEP: 8; DCI: ESS2.C; CCC: Patterns)

Rushmore Rangers in the Classroom

FOURTH

It's All About Survival (Available Tuesday through Friday)

Ranger Jim 45 minutes

Plants and animals have many behavioral and structural adaptations which allow for survival. You can look at any plant or animal and not even know some of its specialized adaptations for a successful life. These may range from the large to the minute or subtle. Using a Prezi presentation, classroom discussions, a group involved game and taking notes on a fill graphic organizer students will learn about the behavioral and structural adaptations of bats and how these have allowed for there to be over 1,200 diverse species of bat.

STATE STANDARDS:

4.L.2.1. Students are able to identify behavioral and structural adaptations that allow a plant or animal to survive in a particular environment.

FOURTH

Life on the Rock (Available Monday through Thursday)

Ranger Marvin 45 minutes

Using a PowerPoint presentation, hands-on specimens, classroom discussion, and a worksheet, students will learn about some of the types of life forms that exist at Mount Rushmore and how adaptations have made it possible for life to survive there. Students will also learn about the relationships, food chains, and environment impacts on these life forms.

STATE STANDARDS:

4.L.2.1. adaptations; 4.L.2.2. population resources; 4.L.3.1. food chains and webs

FOURTH AND FIFTH

The Good...The Bad...The Buggy (Available Tuesday through Friday)

Ranger Lydia 45 minutes

Mount Rushmore National Memorial is located in the heart of the ponderosa pine covered Black Hills. As visitors to the area look over this sweeping vista they see that many of the trees are brown or dying. This huge change is caused by a tiny native insect, the mountain pine beetle. Using a PowerPoint presentation, hands-on specimens, and class room discussions, students will learn about the ponderosa pine habitat and how the mountain pine beetle has both a positive and negative impact on our surrounding environment. The students will then create a public service poster to display their newly gained knowledge.

STATE STANDARDS:

5.L.3.1. influences on ecosystems; 5.L.3.3. interrelationships of organisms; 5.NC.1.3. adaptations; 6.S.2.1. human impact on the environment

Rushmore Rangers in the Classroom

FIFTH AND SIXTH

How Much Do You Know About the Black Hills? (Available Tuesday through Friday)

Ranger Lydia 45 minutes

Did you know how old the national park system will be in 2016? Who built Mount Rushmore? What types of rocks are found in the Black Hills? Find the answers to these questions and many more through a fun, interactive game. Students will take part in a question and answer activity and learn about the many features of the Black Hills and the nearby national parks.

STATE STANDARDS:

5.E.1.1 structure of Earth's interior; 5.NC.1.3. human adaptations to natural world; 6.E.1.3. formation of Earth's structure; 6.S.1.1. using science and technology to help solve problems; 6.S.2.1 identify local, regional or global human-caused environmental problems

SIXTH

Cycles of Water and Air (Available Wednesday through Friday)

Ranger Scott 45 minutes

Using a PowerPoint program, classroom discussions and worksheets, students will explore the hydrosphere, the atmosphere and the biosphere and relate to one another how erosion, flooding and pollution interact with the different spheres of Earth.

STATE STANDARDS:

6.E.1.1. describe how the spheres (hydrosphere, atmosphere and biosphere) of the Earth interact.

SIXTH THROUGH EIGHTH

The Good...The Bad...The Buggy (Available Tuesday through Friday)

Ranger Lydia 45 minutes

Mount Rushmore National Memorial is located in the heart of the ponderosa pine covered Black Hills. As visitors to the area look over this sweeping vista they see that many of the trees are brown or dying. This huge change is caused by a tiny native insect, the mountain pine beetle. Using a PowerPoint presentation, hands-on specimens, and class room discussions, students will learn about the ponderosa pine habitat and how the mountain pine beetle has both a positive and negative impact on our surrounding environment. Using aerial photos from the past and present students will discuss the local economic and environmental impacts of the pine beetle.

STATE STANDARDS:

6.S.2.1 local, regional or global human-caused environmental problems; 7.RI.3 interactions between individuals, events, and ideas; 7.S.1.1. use of science and technology to solve problems; 7.S.2.1. predict consequence(s) of human activity; 8.S.1.1. societal influences on science and technology; 8.S.2.1. offer solutions to environmental problems created by human activity

Rushmore Rangers in the Classroom

SEVENTH THROUGH NINTH

Mapping Your Way to Adventures (Available Tuesday through Friday)

Ranger Lydia 60 minutes

In today's world of cell phones and GPS, navigation skills with a map are diminishing. Locating a grocery store, finding a good place to eat, or even trying to find your favorite trailhead in a national park are all navigational challenges that today's society faces. In this hands-on program, students will have the opportunity to learn about the different types of maps, how to find places on a map, and how to use a compass to get from one area to another.

STATE STANDARDS:

7.M.1.1. converting units of measurement; 7.S.1.1. using science and technology to problem solve; 8.M.1.1. proportional reasoning and measurements; 8.S.1.1. social influences on science and technology; 9-12.M.1.1. unit labels, scale and precision

SEVENTH THROUGH NINTH

Testing the Law (Available Tuesday through Friday)

Rangers Jim and Lydia 60 minutes

Students will analyze a Supreme Court case and the processes used to determine environmental and economic effects on a specific area. Students will create their own dynamic, hands-on court room and populate it with judges, a defense, a prosecution and witnesses. The goal is to see if the bill approving the construction of Mount Rushmore can pass the individual courts each class room sets up and allow students to better understand the workings of the judicial system.

STATE STANDARDS:

7.G.2.2. human impact and natural environment; 7.G.2.4. human migration and politics, environment, and regions; 7.C.2.1. citizens impact social and political issues; 7.E.1.1. available resources and human activities; 8.C.1.1. basic structure of government; 9-12.G.2.2. human interaction with environment; 9-12.C.1.3. principles of American Constitution; 9-12.C.1.4. principles of American democracy; 9-12.C.2.1. influencing and/or participating in a republic

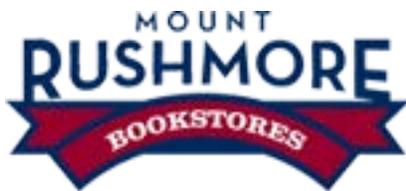
Key Dates for 2015

Park Rangers in the Classroom Available January 12 through April 10, 2015

Field-Trips including a Ranger-led Program April 13 through May 8, 2015

Please Register for Programs Online at www.nps.gov/moru
Applications should be submitted at least 2 weeks prior to your requested program date

If you have any questions, please contact:
Marvin Achtenberg
Marvin_Achtenberg@nps.gov, (605) 574-3195



Educational books, videos, and teaching materials are available from the Mount Rushmore History Association at www.mtrushmorebookstore.com



Newsletter available online at www.nps.gov/moru

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