Search these great resource lists for State, National and International Content Providers

2009 North Dakota Teacher Favorites
For a listing of ND Favorites visit www.edutech.nodak.edu/video/newsletter

Noodle Trip
http://www.noodletrip.com

CILC
www.cilc.org

Video Development Initiative
http://www.vide.net/resources/k12.shtml

Muse
http://k20.internet2.edu/index.php

Virtual School @ Vanderbilt University
http://www.vanderbilt.edu/VirtualSchool

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Internet2 AND Videoconferencing Curriculum Resources

Education Outreach Opportunities through Videoconferencing to Impact Student Learning

2009-2010 Fall/Winter/Spring

- Inquiry-based learning
- Using alternative/external resources
- Collaboration with others
- Critical thinking and problem solving

www.edutech.nodak.edu/video/events
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Event schedules and updates will be posted on EduTech’s website at [www.edutech.nodak.edu/video](http://www.edutech.nodak.edu/video). Questions about any of these events can be addressed by contacting your EduTech Regional ITS or by contacting the EduTech office toll free at (800)804-8550.

Internet2/Videoconference partners:

Contact Kari Sauer at (800)804-8550 or Kari.sauer@sendit.nodak.edu

Contact Kim Owen at (701)231-9522 or Kim.Owen@ndsu.edu

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### Collaborations/Experts

#### Seeing is Believing (Grades: 4-12)

Need a $300,000 tool, but the district just doesn’t have the funds? Harness the power of a scanning electron microscope in your classroom! Use the NDSU Electron Microscopy Center's JEOL JSM-6490LV to look at materials magnified as much as 20,000 times or more. Students run the microscope over the Internet using just a PC and mouse, after you install simple free software provided by the Microscopy Center. You can choose specific samples that fit your curriculum, or a variety of interesting ones are available for demonstration. Laboratory personnel Scott Payne or Jayma Moore will be happy to answer your questions or help you schedule your virtual microscopy session.

There is no cost to K12 schools for the use of this tool. No videoconferencing equipment needed, just projector and Internet connected computer with available bandwidth to support quality video. Call or e-mail Scott or Jayma at (701)231-8435 or Scott.payne@ndsu.edu or jayma.moore@ndsu.edu at the USDA Science Lab to discuss your goals as soon as you know that you may want to utilize the SEM; a precise date for the classroom session can be scheduled two weeks or more in advance.

#### Virtual Cell (Grades: 7-12)

http://vcell.ndsu.edu

The Virtual Cell is a virtual multi-user space where students “fly” around and practice being cell biologists in a role-based, goal-oriented environment. For more information on vcell and related virtual environment projects created by NDSU WWWIC please contact Brian Slator by phone at (701)231-6124 or by email at slator@cs.ndsu.edu.

#### Live…from the Heart (Grades: 8-12)

http://www.livefromtheheart.org

Four classrooms will have amazing field trip opportunity. The Museum of Science and Industry, Chicago will take you live to the operating room at Advocate Christ Medical Center. While the surgical team performs an open heart bypass procedure, students will be able to ask questions about the surgery, learn how to keep a heart healthy and find out what it takes to have a career in the operating room. Don’t miss this exciting opportunity to talk directly to professionals who take care of hearts every day. Register early as spots fill quickly. To register, contact EduTech at (800)804-8550. Cost to participate is $140/class. Cost includes classroom materials.

**Dates:** Jan 20, 2010 / April 7, 2010

#### COSI Live Surgical Suite: Total Knee Replacement (Grades: 9-12)

http://www.cosi.org/educators/videoconferencing

Fifteen classrooms have an opportunity to experience a live knee replacement surgery performed by an orthopedic surgeon from Mount Carmel Health System in Ohio. Students will be able to ask questions of the surgeon and medical staff. Register early as spots fill quickly. To register, contact EduTech at (800)804-8550. Cost to participate is $125/class. Cost includes classroom materials.

**Dates:** Dec 9, 2009 / April 14, 2010 / April 28, 2010
Please Note: EduTech facilitates registration and video connections for all of the following events. Please contact EduTech to register.

The Megaconferences

Original vision and goals of the Megaconference and Megaconference Jr events have been met. As technologies and management have changed, updates for the future of these events are needed. Plans are in the works for new formats and communication about the changes will be made as they become available. Please continue to watch EduTech and the Mega event websites for updates.

Read Across North Dakota (Grades: K-12)

Now in its fifth year, RAND is modeled after the international RAP event but includes only K12 classes in North Dakota. If you and your students have never participated in either even, then consider RAND a wonderful way to get started! And if you’d like to step up to RAP but aren’t sure if you’ll be ready, then register for both events and consider using RAND as a great way to prepare your class for the RAP event later in February. Either way you’re providing your students with an awesome way to celebrate reading and literacy with another classroom! There is no cost to participate. To register, contact EduTech at 1.800.804.8550. Registration deadline is Jan 6th, 2010.

Dates: Jan 27-28, 2010

Read Around the Planet (Grades: K-12)

Students are invited to participate in the Eighth Annual Read Across the Planet international event. This event provides an opportunity for teachers and students around the globe to cross traditional classroom boundaries in celebrating literacy and reading. There is no cost to participate. The event is interactive via live videoconference. To register, contact EduTech at 1.800.804.8550. Registration deadline is Nov 30th, 2009.

Dates: Feb 22 - Mar 5, 2010

The Science of Agriculture in the Virtual Classroom (Grades: 7-12)

The ND Department of Agriculture, EduTech and NDSU have again partnered to offer middle and high school science classes a unique opportunity to enrich their curriculum with access to experts and researchers in the field.

If you’re a science teacher interested in providing your students with the ability to collaborate and engage in scientific discovery with experts and researchers in agriculture, please contact the EduTech office at 1.800.804.8550 for more information on how you can participate.

The next project team of six science classes is scheduled to begin work in late September 2009. Stipends are provided to each participating science teacher to help cover the cost of science materials for this project.

North Dakota Content Providers:

Knife River Indian Village Historic Site NHS

The national park site contains visible remnants of historic and prehistoric American Indian villages representative of the Northern Great Plains. Last occupied by the Hidatsa and Mandan in 1845, the 1800 acre unit includes a visitor center, museum, film, bookstore, a full scale furnished earth lodge, several miles of hiking trails and a full range a education programs.

Program Cost: No cost
Contact: Craig Hansen, Education Specialist
Phone: (701)745-3300
Email: craig_hansen@nps.gov

NDSU - North Dakota Forest Service

The ND Forest Service Information and Education Program helps to foster stewards of all ages with the skills to make wise decisions about the conservation and use of our forestry and related natural resources.

Program Cost: $25/class per 50-minute program
Contact: Glenda Fauske, Educ. Coordinator
Phone: (701)228-5446
Email: glenda.fauske@ndsu.edu

State Historical Society of North Dakota

Located in Bismarck, ND the State Historical Society has a wealth of resources available for students to learn about the history of North Dakota, its people and culture.

Program Cost: $25/class per 50-minute program
Contact: Marilyn Snyder, Curator of Education
Phone: (701)328-2692
Email: msnyder@nd.gov
<table>
<thead>
<tr>
<th>Topic</th>
<th>Description</th>
<th>Grade</th>
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<th>Note</th>
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<tr>
<td><strong>Hidatsa Gardening</strong></td>
<td>Hidatsa gardening was a very important activity in these plains villages. This program will inform the student about planting practices, types of vegetables planted, and the art of drying and storing the surplus in a cache pit. The prosperity of the villages due to the garden produce allowed a vast amount of trading to be conducted in this area. <strong>Registration Deadline:</strong> Sept 15th. To register, contact content provider listed on page 3.</td>
<td>4</td>
<td>Sept 22, 2009</td>
<td>Wednesday sessions 10:00-11:00 am ct</td>
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<tr>
<td><strong>The Capitol of North Dakota is Bismarck</strong></td>
<td>Students will walk through the history of the city of Bismarck from its beginnings as a stop on the building of the North Pacific railroad through the building of the two capitols. The politics of how Bismarck came to be the capitol and more, what ND’s first time capsule contained and so much more! To register, contact content provider listed on page 3.</td>
<td>3</td>
<td>Sept 2 – Nov 25, 2009</td>
<td>Wednesday sessions 10:00-11:00 am ct</td>
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<tr>
<td><strong>Native American Dwellings</strong></td>
<td>Students will learn about the oldest house in North Dakota, approximately 2,000 years old. To register, contact content provider listed on page 3.</td>
<td>4</td>
<td>Sept 2 – Nov 25, 2009</td>
<td>Wednesday sessions 10:00-11:00 am ct</td>
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<tr>
<td><strong>The Venerable Bison</strong></td>
<td>“The Venerable Bison” program presents insight into the various uses of the bison. Students will learn how the Native Americans relied heavily on the bison for food, clothing, shelter, tools, toys and even medicine. <strong>Registration Deadline:</strong> Oct 6th. To register, contact content provider listed on page 3.</td>
<td>4</td>
<td>Oct 13, 2009</td>
<td>Wednesday sessions 10:00-11:00 am ct</td>
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<td><strong>Fur Trade</strong></td>
<td>Fur trade focuses on the time period of 1750 – 1860 when European fur trappers and traders came into North Dakota. To register, contact content provider listed on page 3.</td>
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<td>Sept 2 – Nov 25, 2009</td>
<td>Wednesday sessions 10:00-11:00 am ct</td>
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<tr>
<td><strong>Learning US History Inside and Out</strong></td>
<td>Students will revisit ND history learned in grade 4 starting from one state’s structure and explain the settlement of the United States. For example, why people came to ND reflects much of why people came to the US. To register, contact content provider listed on page 3.</td>
<td>4</td>
<td>Sept 2 – Nov 25, 2009</td>
<td>Wednesday sessions 10:00-11:00 am ct</td>
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<tr>
<td><strong>Early People in North Dakota</strong></td>
<td>Students will explore the four hands-on stations in pre-tribal history of the indigenous people in the area now known as North Dakota. Stations explore hunting, eating and living conditions of people about 12,000 years ago in ND with an additional station on use of clays in making pottery. To register, contact content provider listed on page 3.</td>
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<td>Sept 2 – Nov 25, 2009</td>
<td>Wednesday sessions 10:00-11:00 am ct</td>
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<tr>
<td><strong>Homesteading in North Dakota</strong></td>
<td>North Dakota was homesteaded in the late 1800s and early 1900s. Using our galleries and photos we will learn about the life of the settlers coming into North Dakota to claim farmland or settle in the towns. What was life like for kids during that time? To register, contact content provider listed on page 3.</td>
<td>4</td>
<td>Sept 2 – Nov 25, 2009</td>
<td>Wednesday sessions 10:00-11:00 am ct</td>
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<td><strong>Inventions, Innovations &amp; Adaptations</strong></td>
<td>Students will have an opportunity to see the main gallery at the State Historical Society in showcasing the progression of inventions throughout history, how those inventions are adapted over time and also the innovations that come about because of demand. To register, contact content provider listed on page 3.</td>
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<td>Sept 2 – Nov 25, 2009</td>
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Please choose a program(s) from a content provider(s) listed above. Content providers will be happy to schedule other dates with your site.