The Day in the Life of a Voyageur Assembly Program
~ April 14 - 25, 2008 ~

The Western U.P. Center for Science, Mathematics and Environmental Education will coordinate assembly requests. If your school would like the Life of a Voyageur Assembly Program, please FAX the attached registration form to 906-487-1620 by Friday, February 15, 2008. Scheduling is on a first-come basis.

Presenter: Alan Ducastel, voyageur extraordinaire

Assembly program length: 50 minutes

Description: The show is a typical Voyageur's day. It starts at 3:00 AM in the morning and goes late into the evening. We'll discuss portages, and have students run with a pack on their backs. Students from the audience will be dressed up as we discuss the clothing voyageurs wore. We will try to make make a spark from a flint and steel. The shows are very interactive and get the students involved. The shows typically end by flashing the pan with a flintlock.

"Having the students dress up as voyageurs and carry a bundle of furs helped deepen their understanding of a voyageur's life."
    Jan Prybys, Time Travelers Education Coordinator

"He brings history to life for 4th grade students. His presentation includes many historical artifacts, costumes, and stories."
    Autumn Walters, Lee Elementary, Richmond Community Schools

"I highly recommend Alan DuCastel's French Voyageur presentation. The children are active, eager participants in his program. They can't stop talking about it. His management skills and high-interest activities kept the classes on task and engaged throughout the performance."
    Linda Mahanic, 4th grade teacher

Cost: $500 per half-day for TWO assemblies in the same location

Set-up Time: 45 minutes to set-up and take down.

Student Numbers: 100-200 students, smaller groups allow for more interaction.

Age Range: Grades 3-8 students; ideal for 4th graders who are learning Michigan history.

Social Studies (Grade 4GLCEs):
4H4: The History of the United States
4H3: The History of Michigan and the Great Lakes Region (Beyond Statehood)
4G5: Environment & Society (Understand effects of human-environ. interactions)
4E2: The National Economy (Use fundamental principles and concepts of economics to understand economic activity in the United States.)
The Day in the Life of a Voyageur Assembly Program  
~ April 14 - 25, 2008 ~

REGISTRATION FORM

School : ____________________________________________
Contact person: ______________________________________
Phone: ____________________________
Fax: ____________________________
Email: ____________________________

List all possible dates that work for your school:

<table>
<thead>
<tr>
<th>Date</th>
<th>Grades Attending</th>
<th>Total Attending</th>
</tr>
</thead>
<tbody>
<tr>
<td>___ Monday, April 14</td>
<td>_____ K-3</td>
<td>_____</td>
</tr>
<tr>
<td>___ Tuesday, April 15</td>
<td>_______ Grades 4-8</td>
<td>_______</td>
</tr>
<tr>
<td>___ Wednesday April 16</td>
<td>_______ K-8</td>
<td>_______</td>
</tr>
<tr>
<td>___ Thursday, April 17</td>
<td></td>
<td></td>
</tr>
<tr>
<td>___ Friday, April 18</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Number of Assembly Programs requested: 1 2 3 4

Grades and Number of # Students Attending Assemblies:

Assembly Location: ______________________________________

List all possible times for the Assembly Program:

<table>
<thead>
<tr>
<th>Date</th>
<th>Start/End Times</th>
<th>Grades Attending</th>
<th>Total Attending</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date:______________ Start/End Times ______ - ______</td>
<td>_____</td>
<td>_____</td>
<td></td>
</tr>
<tr>
<td>Date:______________ Start/End Times ______ - ______</td>
<td>_____</td>
<td>_____</td>
<td></td>
</tr>
<tr>
<td>Date:______________ Start/End Times ______ - ______</td>
<td>_____</td>
<td>_____</td>
<td></td>
</tr>
<tr>
<td>Date:______________ Start/End Times ______ - ______</td>
<td>_____</td>
<td>_____</td>
<td></td>
</tr>
</tbody>
</table>

COST: $500 for TWO assemblies at your school (per half day)

TOTAL AMOUNT DUE: _______

Time your school begins: ________________  Time your school dismisses: ________________

Please EMAIL or FAX the registration form to 906-487-1620 by Friday, February 15, 2008.
Email: jchadde@mtu.edu  FAX: 906-487-1620  Tel: 906-487-3341
Dear Principals/Teachers:

The Western U. P. Center for Science, Mathematics and Environmental Education announces the Spring 2008 Assembly Tour by the Great Lakes Aquarium. Two different one-hour assembly programs are available for K-6 students, plus a variety of classroom programs (see descriptions below). Assemblies include skits, demonstrations, audience participation, slides, and Lake Superior sounds, and incorporate audience participation. They are fun, interactive and informative!

References from other schools are available upon request or check out their website: http://www.glaquarium.org/ Deadline to Register: Friday, February 15, 2008.

Assembly Programs (1-hour each)

(1) Getting A HEAD with Habitat Hank (K-6):
The Great Lakes Aquarium brings you a high-energy, hour-long interactive assembly featuring fish and fish habitats. Students will actively participate in skits and activities related to Habitat needs, aquatic Ecology, Adaptations, and animal Diversity. This program includes student dress-ups, a visit with the Sturgeon General, shopping with Habitat Hank, and much more!

(2) Our Great Lake Superior (K-6):
Comes with a full cast of characters that educate and entertain. Enthralled students will learn about the history of Lake Superior, the animals that make their home in the lake and the diverse cultural history of the Lake Superior region.

Classroom Programs (1 class period)
A Bony Bunch (K-1): Do fish have backbones? Do insects have skeletons? These questions and others will be answered as live animals and props are used to discuss the difference between those animals that have backbones (vertebrates) and those that do not (invertebrates).

Keeping the Lights (K-1): Step into the past with your students, to the days when Lake Superior lighthouses were run by keepers and their families. Learn about life at the lighthouse, including the regular tasks of keeping the light burning, polishing brass, and tending gardens. Fishing and playing games were also part of lighthouse life. Students will visit with a keeper or keeper’s wife.

Creepy Crawlies* (K-3): Do bugs bug you? Do you shudder at the thought of a slithering snake? Students will learn more about animals that creep and crawl and find that they aren’t quite so scary! In fact, many of these are quite beneficial to humans and play an important role in our ecosystem. Students will meet some of these creatures close up and learn about their important ecological role.
Herpetology - Slime and Scales* (Gr. 4-6): Whether they love ‘em or hate ‘em, most students are utterly fascinated with reptiles and amphibians! Students will learn characteristics of reptiles and amphibians, see how they have adapted to various habitats, learn about their life cycles and the about the reptiles and amphibians native to the Great Lakes region, get to experience hands-on activities and props including snake skins, turtle shells, and a live reptile or amphibian.

Stories in Stone - Lake Superior Geology (Gr. 4-5): Can rocks tell a story? If you know what to listen for, stones can tell many tales. What are they made of and how did they form? How can you tell them apart? Students will examine and learn to identify local rocks. They will classify the types of rocks and study some of the geologic forces that shaped the Lake Superior region. Students will even get to participate in a “geo-theater” presentation on the formation of Lake Superior!

SET-UP / TEAR DOWN TIME: Please allow 45 minutes for assembly set up time, 20-30 minutes between assemblies at the same school, and 45 minutes to pack up after the assembly.

COST: The costs listed below include a share of the presenters’ travel expenses which will total approximately $600 for travel & hotel for the week. The Copper Country ISD will send invoices to each school.

- **Assembly programs:** $275 for first assembly; $125 for each additional assembly.
- **Classroom programs:** $75 for first program; $50 for additional classroom programs.

TO REGISTER: Email or fax (487-1620) the attached registration form to Joan Chadde at the Western U. P. Center for Science, Mathematics and Environmental Education **by Friday, Feb. 15.** Please choose several dates and times that work for your school. We’ll arrange the most efficient schedule for the presenters that also meet your needs.

FOR MORE INFORMATION: contact Joan Chadde, at 487-3341 or email jchadde@mtu.edu

*Take advantage of this exciting educational opportunity!!!*
Lake Superior Assembly & Classroom Program Registration Form  
Monday – Friday, April 21-25, 2008  
(Registration deadline: Friday, February 15, 2008)

School :______________________________________  
Contact person: _____________________________  
Phone:____________________   Fax:_______________________  Email:______________________  

**Assembly Programs**

*Choose ONE Assembly per form*  
($275 for first assembly; $125 for the same assembly at the same location).

<table>
<thead>
<tr>
<th>Assembly Date</th>
<th>Assembly Program</th>
<th>Times:</th>
<th>Grade</th>
<th># Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday, April 21</td>
<td>Getting A HEAD with Habitat Hank</td>
<td>(1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tuesday, April 22</td>
<td>Our Great Lake Superior</td>
<td>(1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wednesday, April 23</td>
<td></td>
<td>(1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thursday, April 24</td>
<td></td>
<td>(1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Friday, April 25</td>
<td></td>
<td>(1)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Number of Assembly Programs requested:  
1  
2  
3  
4

**Assembly Dates** (prioritize day of week with 1, 2, 3, etc.). Note desired assembly start & end times:

<table>
<thead>
<tr>
<th>Monday, April 21</th>
<th>Times:</th>
<th>(1) - (2) - (3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuesday, April 22</td>
<td>Times:</td>
<td>(1) - (2) - (3)</td>
</tr>
<tr>
<td>Wednesday, April 23</td>
<td>Times:</td>
<td>(1) - (2) - (3)</td>
</tr>
<tr>
<td>Thursday, April 24</td>
<td>Times:</td>
<td>(1) - (2) - (3)</td>
</tr>
<tr>
<td>Friday, April 25</td>
<td>Times:</td>
<td>(1) - (2) - (3)</td>
</tr>
</tbody>
</table>

Grades and Number of # Students Attending Assemblies:  
K-3
Grades 4-6
K-6

Assembly Location: ________________________________________________

**Classroom Programs**

*Choose as many as you like* ($75 for first program; $50 per additional classroom programs at same school):

<table>
<thead>
<tr>
<th>Date</th>
<th>Title</th>
<th>Start/End Time</th>
<th>Grade</th>
<th># Students</th>
<th>Teacher</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday, Feb. 26</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tuesday, Feb. 27</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wednesday, Feb. 28</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thurs., March 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Friday, March 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Time your school begins:  
Time your school dismisses:  

Please EMAIL or FAX your registration form by Friday, Feb. 15, 2008 to Joan Chadde at:  
Email: jchadde@mtu.edu  
FAX: 906-487-1620  
Tel: 906-487-3341
Michigan United Conservation Clubs Assembly Programs

Michigan’s Birds of Prey & Michigan’s Wild Woodlands Programs

(Registration deadline: Friday, February 15, 2008)

The Western U.P. Center for Science, Mathematics and Environmental Education will coordinate assembly requests for the Michigan’s Birds of Prey and Michigan’s Wildlife Woodlands Assembly Programs for Spring 2008 and Fall 2008. If your school would like to request an assembly program, please FAX attached registration form to 906-487-1620. Scheduling is on a first-come basis. Both assemblies are conducted by Michigan United Conservation Clubs (MUCC) staff and give students the opportunity to see several species of wildlife LIVE and up close!! For more info on MUCC, see http://www.mucc.org/WildlifeEncountersProgram_000.htm

Michigan’s Birds of Prey Program ~ Monday-Friday, May 12 – 16, 2008

Nearly one-third of all Michigan raptors are threatened or endangered. In this program, a variety of raptors (birds of prey), including eagles, owls, falcons, and hawks are used to highlight the beauty of these birds, and demonstrate the important roles they play by avian predators. The presenter will address life history, adaptations, habitats, and the threatened/endangered status of each of the animals.

Coming in Fall 2008…..


Michigan contains many diverse forest ecosystems covering vast expanses of the state. In this program, a variety of live Michigan mammals, birds, and reptiles (hawks, opossum, owls, snakes, and more) that inhabit Michigan forests will help to demonstrate the significant role that forests play in maintaining biodiversity and providing a wide array of forest products. While forests are a renewable resource, they need our care to protect and conserve them.

GROUP SIZE: Up to 250 students in grades 1-12 at one time. Kindergarten is not allowed due to the controlled environment required with live animals.

PROGRAM LENGTH: 45 minutes. Allow 15 minutes between assemblies. Program length can be adjusted upon request.

SET-UP/TEAR DOWN TIME: 30 minutes before and after the assembly program.

COST: $325 for the first assembly  2nd assembly: $150*  3rd assembly: $100*
**for additional assemblies in same location.

For More Information, contact:
Joan Chadde, Assembly Coordinator
Western Upper Peninsula Center for Science, Mathematics and Environmental Education
105 Dillman Hall - Michigan Technological University
1400 Townsend Dr., Houghton, MI 49931-1295
Email: jchadde@mtu.edu    Tel: 906-487-3341    Fax: 906-487-1620
Website: www.wupcenter.mtu.edu
**Birds of Prey & Woodland Wildlife Assembly Programs**

May 12 - 16 and Sept 29 – Oct 3, 2008

*(Registration deadline: March 20, 2008)*

**REGISTRATION FORM**

School: ____________________________________________ Contact person: ________________________________

Address__________________________________City__________________________Zip________________________

Phone: _____________________________ Fax:_______________________ Email:__________________________

1) **BIRDS OF PREY (May 12-16, 2008)**  (List all possible dates that work for your school.)

   ___Monday, May 12    ___Tuesday, May 13     ___Wednesday, May 14     ___Thursday, May 15    ___Friday, May 16

Total Number of Birds of Prey Assembly Programs requested: 1 2 3 4

Assembly Location: ______________________________________

List all possible times for the Assembly Program:

Date:__________ Start/End Times _______ - ___________ Grades Attending: _______ Total Attending: _______

Date:__________ Start/End Times _______ - ___________ Grades Attending: _______ Total Attending: _______

Date:__________ Start/End Times _______ - ___________ Grades Attending: _______ Total Attending: _______

Date:__________ Start/End Times _______ - ___________ Grades Attending: _______ Total Attending: _______

2) **Wild Woodlands (Sept 29 – Oct 3, 2008)**  (List all possible dates that work for your school.)

   ___Monday, Sept 29      ___Tuesday, Sept 30      ___ Wednesday, Oct 1       ___Thursday, Oct 2     ___Friday, Oct 3

Total Number of Wild Woodlands Assembly Programs requested: 1 2 3 4

Assembly Location: ______________________________________

List all possible times for the Assembly Program:

Date:__________ Start/End Times _______ - ___________ Grades Attending: _______ Total Attending: _______

Date:__________ Start/End Times _______ - ___________ Grades Attending: _______ Total Attending: _______

Date:__________ Start/End Times _______ - ___________ Grades Attending: _______ Total Attending: _______

Date:__________ Start/End Times _______ - ___________ Grades Attending: _______ Total Attending: _______

**COST:**  $325 for the first assembly at a school.

Second assembly: $150*  Third assembly: $100*  *for additional assemblies in same location.

**TOTAL AMOUNT DUE:** _______

Time your school begins: _______________  Time your school dismisses: _______________

Please EMAIL or FAX your registration form to Joan Chadde at:

Email: jchadde@mtu.edu  FAX: 906-487-1620  Tel: 906-487-3341