



K-6 Lake Superior Assembly Programs!! Monday-Friday, April 3-7

Dear Principals/Teachers,

The Western U. P. Center for Science, Mathematics and Environmental Education announces the third **Assembly Tour by the Great Lakes Aquarium** (they came previously in 1999 & 2000) for Monday-Friday, April 3-7, 2006 for CCISD & GOISD schools.

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 rely on audience participation. They are fun, interactive and informative! **Registration deadline: Friday, March 10.**

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 the invaluable role they play in ecological processes.

Incredible Journey (Gr. 2-3): What goes up must come down, and water is no exception! Lake Superior is our backdrop as we learn about water resources, water forms, and water stewardship. Students will become a water drop as they travel on an incredible water-cycle journey!

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!

* Programs with live animals are subject to animal availability and weather conditions. Some animals simply can't travel in sub-zero conditions!

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

COST: Your charge will include the cost of the assembly program(s) at your school, plus a share of the presenters' mileage, lodging and per diem for the week (\$100 per school if 8 schools register).

Assembly programs are: \$250 for the first assembly, and \$125 for each additional assembly.

Classroom programs are: \$60 for the first program, and \$40 for additional classroom programs. The Copper Country ISD will send invoices to schools.

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. **Registration deadline is Friday, March 10.** Please choose several dates and times that work for you, and we'll arrange the best schedule for the presenters that also meet your needs.

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

Take advantage of this exciting educational opportunity!!!

Lake Superior Assembly & Classroom Program Registration Form ~ April 3 - 7

(Registration deadline: Friday, March 10, 2006)

School : _____ Contact person: _____

Phone: _____ Fax: _____ Email: _____

Assembly Programs

Choose ONE or BOTH (\$250 for first assembly; \$125 per additional assembly at same location).

_____ **Getting A HEAD with Habitat Hank**

_____ **Our Great Lake Superior**

Total Number of Assembly Programs requested: 1 2 3 4

Dates (prioritize with 1, 2, 3, etc.):

Monday, April 3

Tuesday, April 4

Wed, April 5

Thursday, April 6

Friday, April 7

Times: (1) _____ (2) _____ (3) _____ (4) _____

Grades (circle): K-3 4-6 K-6

Students Attending: _____

Classroom Programs

Choose as many as you like (\$60 for first program; \$40 per additional classroom programs at same school):

Title: _____ **Date(s):** _____ **Time:** _____ **Grade:** _____ **Teacher:** _____

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Title: _____ **Date(s):** _____ **Time:** _____ **Grade:** _____ **Teacher:** _____

Title: _____ **Date(s):** _____ **Time:** _____ **Grade:** _____ **Teacher:** _____

Title: _____ **Date(s):** _____ **Time:** _____ **Grade:** _____ **Teacher:** _____

Time your school begins: _____

Time your school dismisses: _____

Please EMAIL or FAX your registration form by Friday, March 10, 2006 to:

Joan Schumaker Chadde

Email: jchadde@mtu.edu

FAX: 487-1620