

Dam Removal - River Restoration Residency Program

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Background:

The Science Museum of Minnesota's Earthscapes Education program provides K-12 students, teachers, and the public opportunities to explore data and concepts from National Center for Earth-surface Dynamics (NCED) research. NCED is an NSF funded Science and Technology Center devoted to interdisciplinary understanding of the ecological and physical processes that define and shape rivers and river networks.

Context:

The River Restoration residency classes are designed for grades 5-9 and are presented to schools as part of the NCED Earthscapes Education program for school audiences. Participating teachers attend a summer teacher institute, follow-up workshops and receive the residency classes presented at their schools.

Residency Goals:

The residency was developed to provide connections between NCED and real-life science research involving earth and river systems with Middle School science classrooms and is designed to support and be incorporated into existing Earth Science classroom curriculum.

The Teacher Institute:

August 1-5, 2005 at the Science Museum of Minnesota and the St. Anthony Falls Laboratory

Discover the forces that shape the face of the earth! Earthscapes is five days in the field and in the laboratory with experts from the National Center for Earth-surface Dynamics. Participants will explore the ecology and geology of channel systems, laboratory modeling, and visualization tools to help your students understand complex processes including erosion, sediment transfer, and sediment deposition. Teams receive a free Earthscapes assembly program at their school. Graduate credit, resource materials, meals/lodging, and stipend provided. For grades 5-9 teachers.

The application deadline for the Summer 2005 Earthscapes Teacher Institute has passed. Please contact the author directly to inquire about the availability of participant space.