FALCON 2014 Annual Conference
Minneapolis, MN
November 8-11, 2014

Cherie Thunder Sustainability Education Coordinator, SDI CMN
Rebecca Edler Sustainability Coordinator SDI, CMN
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Theoretical Model:
- Land and Sovereignty
- Natural Environment
- Institutions
- Technology
- Economics
- Human Perception, Activity & Behavior
Place-Based Opportunities for Sustainable Outcomes and High Hopes
Place-based education differs from conventional text and classroom-based education in that it understands students' **local community** as one of the primary resources for learning.
Systematic Change in K-16 Science Education

- Place-based curriculum design and development for grades 7-9 with accompanying K-12 teacher professional development
- High School Sustainability Leadership Cohort engagement
- Internships for College Students
- Learning communities with faculty, undergraduate, graduate, high school, and community learners
Curriculum Design and Development

Collaboration

Inquiry

Place-based

Teamwork

Learning
Netaenawemakanak
“All My Relatives”

Grade 7 Unit
- Interdependent Relationships in Ecosystems
- Ecosystems Dynamics, Functioning and Resilience

http://posohproject.org/grade-7-unit
Twahwatsi•Lya
Dwah-wa-gee-LIE-lya
"All of Us Our Family"

Grade 8 Unit

- Organization for Matter and Energy Flow in Organisms
- Interdependent Relationships in Ecosystems
- Cycle of Matter and Energy Transfer in Ecosystems
Energy and Sustainability

Grade 9 Unit

- Organization for Matter and Energy Flow in Organisms
- Energy in Chemical Processes
- Cycle of Matter and Energy Transfer in Ecosystems
POSOH Professional Development

New way of **learning** and **teaching** science

Collaborating with people from different backgrounds

Teaching Teachers

Learning with/from:
- Colleagues
- Community members
- Undergraduates
Professional Learning Community
Place-based Foundation

Culturally-inclusive pedagogies and outdoor environment

Foster collaborative learning among CMN faculty, SDI, students, and other partners
Internships
Sustainability Leadership Cohort


discover

LEAD

question

explore

communicate

Tuesday, July 16, 2013

Sustainability Leadership Cohort Action-Research Project and Film Production

By: SDI Education Intern, Ella Keenan

Students learn about film production

After much anticipation, the Sustainability Leadership Cohort's action-research projects are finally underway. The Action-Research Project will give students the opportunity to research a topic that interests them and help them get more involved in their community. The action-research project is designed to teach students valuable researching skills with the end goal of their project being implemented and communicated in the community. Through the process they become the directors of their own learning as they are in charge of choosing what they learn.

The action component involves engaging the community in some form—whether implementing a project, interviewing community members, or addressing an important community need. Students must then translate these research and implementation experiences into a communication form of their choosing. As we enter the information age, communication skills will be crucial for students' success. A potential medium for communication could be, though is not limited to, film—using documentary, news, or fiction formats to tell a story about a topic. Students who elect to put together a film will have a great foundation after attending a film.
Questions?