

Minnesota's Changing Climate: Engaging Students through Adventure Learning

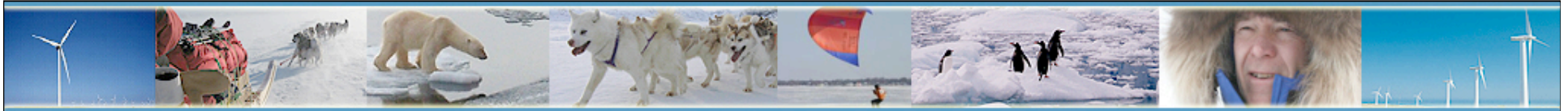
Summer Institute for
Climate Change Education 2010



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Program Goals:

- Foster an understanding of Minnesota's diverse ecosystems and a sense of place for Minnesota's landscape
- Educate on the basics of climate change and implications for Minnesota, the Midwest, and the globe
- Empower student leadership and action for climate change solutions through hands-on projects



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Result 1: Minnesota's Changing Climate Curriculum

- Age appropriate, for grades 3-5, 6-8, 9-12
- Reviewed by Minnesota educators, Union of Concerned Scientists and National Education Association
- Aligned to Minnesota state standards
- Multidisciplinary
- Experiential



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Curriculum Progression:

- Storytelling: Engaging students through Adventure Learning and a sense of place
- Understanding Ecosystems: Exploring Minnesota
 - Bogs and fens
 - Prairie
 - Deciduous
 - Coniferous
- Eyewitness to Minnesota's changing climate: observation, investigation, and documentation
- Implications of a changing climate: local, regional and global
- A passion to protect: adaptation and mitigation projects



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Result 2: Summer Institute for Climate Change Education

- 2010: Introduce curriculum
- 2011: Prepare educators to teach curriculum in the classroom
- 2012: Share learning, present mini-grants, projects, evaluation



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Result 3: Online Adventure Learning Classroom

- Aligned with individual lesson plans
- Social networking feature for educators and their classrooms - building a community of learners
- Online curriculum download



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Result 4: Evaluation

- Formative and Summative Evaluation of the Curriculum and Institutes