

MONTANA WIND ENERGY WORKSHOP

MARK YOUR CALENDARS AND REGISTER TODAY!

DATE AND LOCATION

March 3, 2018
MSU Bozeman
Bozeman, MT 59715



FOR THE ATTENDEES:

- It's **FREE**
- Access to Wind kits for use in the classroom
- Materials aligned to Montana Science Content Standards

HOW CAN YOU ATTEND?

Go to http://www.need.org/calendar_list.asp and find the date of the workshop. Click and complete your registration!

QUESTIONS?

Contact Wendi Moss at wmos@need.org or call 1-800-875-5029

WHO SHOULD ATTEND?

- K – 12th Grade STEM Teachers
- Preservice Teachers

ABOUT THE NEED PROJECT

The NEED Project designs and delivers teacher-tested educational materials, evaluation techniques and tools, recognition of student achievement, and professional development for educators.

PROGRAM PARTNERS



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AGENDA

- 8:00 a.m. Registration**
Pick up materials and conference supplies. Continental breakfast will be served.
- 8:30 a.m. Welcome and Wind Energy Bingo**
Welcome! Review goals and objectives for the workshop and begin planning ways to use the NEED and KidWind materials and training in your school. Play Wind Energy Bingo!
- 9:15 a.m. Science of Energy**
Learn about energy transformations, forms of energy, and their connections to the electricity we use.
- 9:45 a.m. Electric Connections**
Where does our electricity come from? This quick activity will give you a snapshot of today's electricity picture.
- 10:00 a.m. Wind Energy 101**
- 10:30 a.m. Accessing Wind for Schools Data – Open EI**
Connecting the Wind for Schools generation data to the classroom.
- | Elementary/Intermediate | Intermediate/secondary |
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| 10:45 a.m. Teaching Language Arts with Wind
Use interdisciplinary lessons to integrate more wind in the classroom. | 10:45 a.m. MacGyver Wind Power |
| 11:45 a.m. Lunch & presentations of Language Arts activities | 11:45 a.m. Lunch & presentations of Language Arts |
| 12:45 p.m. Exploring Wind Activities
Create a model to do work
Build your own anemometer
Explore blade variables | 12:45 p.m. Blade Design/Theory & KidWind Challenges |
| 2:30 p.m. Siting & Mapping
Measuring Tall Objects | 2:45 p.m. Advanced Siting Activities |
| 3:15 p.m. Paperwork and Other Stuff: Complete Workshop Evaluations, Post-workshop assessment. | |
| 3:30 p.m. Adjourn | |

Special Thank you to
US Department of Energy Wind for Schools Program