

What is DataStreme?



DataStreme is a K-12 teacher enhancement initiative of the American Meteorological Society (AMS). This distance-learning course is appropriate for teachers in all disciplines, and is offered twice per year (fall and spring semesters). The course focuses on the study of weather, water, and climate through the use of web-based data and learning materials combined with a text book and investigations.

In eastern Iowa and northwest Illinois, the course is led by West Branch Middle School science teacher and National Teacher's Hall of Fame inductee, Hector Ibarra. The program is supported by the National Weather Service (NWS) Quad Cities office.



What benefits will I receive from DataStreme?

All participants are enrolled in a FREE, 3 semester-hour graduate course, entitled *ESC 675 Real-Time Weather Studies*, through the State University of New York at Brockport. Credit is awarded upon successfully completing course requirements the same semester as the course is taken.

While completing the course, you will:

- Learn weather, water, and/or climate fundamentals via a unique web-based course that emphasizes the study of real-time, real-world events
- Develop computer-based real-time environmental data acquisition and analysis skills
- Receive resource materials for your professional library
- Discover ways to instill the excitement of current real-world events across the curriculum
- Develop collegial working relationships with DataStreme mentors and other course participants
- Become your school's representative as part of a major national science education program conducted by the AMS in close cooperation with the NWS

Can any educator become a DataStreme participant?

Yes! Teachers of any K-12 grade level or subject who have an interest in promoting the teaching of weather and related sciences across the curriculum may apply. DataStreme participants teach kindergarten to high school. They specialize in subjects ranging from general education to PE to earth science to physics to special education.

Is there a cost for the course?

No! DataStreme is funded through NASA and NOAA grant programs, with assistance from the National Weather Service and SUNY Brockport.

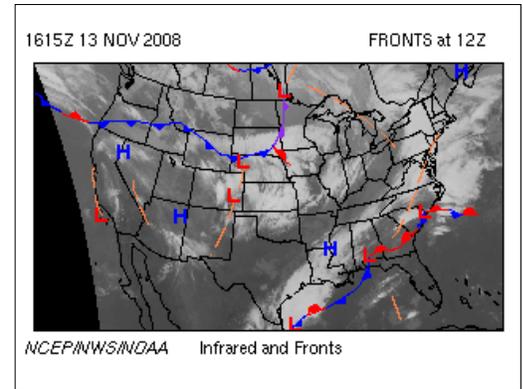


Are all DataStreme courses the same?

No. Courses may focus on weather, climate, or water, depending on the grant available at the time and local interest. Contact your area team leader to find out which specific course is currently being offered in your area.

What will I do as a DataStreme participant?

- Attend three course meetings arranged in your area (pre-course, mid-term, and final)
- Successfully complete two learning activities with web-based components each week for 12 weeks
- Fax or e-mail completed activities to your assigned mentor on a weekly schedule
- Interact regularly with your mentor by telephone or email to discuss course progress
- Document several examples of actual and/or planned in-school applications of DataStreme course concepts



What materials does DataStreme supply?

- Web-based summaries and learning materials based on current weather and climate concerns (also available for use after the course)
- All textbooks, study guides, and supporting resources

What happens after DataStreme?



The goal of DataStreme is to empower you, the Weather Education Resource Teacher, with knowledge and capabilities to transform a virtually endless stream of environmental data into exciting and creative learning experiences.

How do I apply?

Contact your local Team Leader for more information about DataStreme and how to participate in your area.

In eastern Iowa, western Illinois, and northeast Missouri, contact:

Hector Ibarra, Team Leader
319-337-3590
hibarraia@gmail.com

Find out more on the Web!
www.ametsoc.org/amsedu