

WHAT IS WEST VIRGINIA STORM?

West Virginia Storm is an intense, immersive simulation that provides an authentic context for students to apply the knowledge they learn through the program's comprehensive curriculum package. To complete the mission, students become part of a fictional Extreme Weather Response Unit. Working for NOAA, the National Oceanic and Atmospheric Administration, the team travels throughout the country to help local emergency management personnel deal with possible emergency situations that may be caused by extreme weather conditions.

CONTACT US

MISSION QUESTIONS

Kathleen Frank
Assistant Director
kfrank@cet.edu
(304) 243-2495

SCHEDULING

Barb Crawshaw
Registrar
crawshaw@cet.edu
(304) 243-8740

Challenger Learning Center
Wheeling Jesuit University
316 Washington Ave.
Wheeling, WV 26003

www.e-Missions.net

e-Mission:
**WEST VIRGINIA
STORM**



A STATE OF EMERGENCY

A Live Meteorological Simulation



CONTENT AND CURRICULUM

West Virginia Storm is a complete curriculum package. The website includes preparation materials,



hands-on classroom activities, and references and readings that enhance student knowledge of meteorology and weather forecasting. Before the simulation teachers use

classroom time to train students in science and data analysis skills. Students learn how to analyze and apply simple data-

sets to authentic problems so that by mission day they are well-equipped to carry out a successful mission. All materials are

designed to meet science standards for grades 5-8.



HOW DO I PARTICIPATE?



Each mission can accommodate from 6 to 28 students. To schedule a mission, visit www.e-Missions.net and complete a reservation form. In most cases we are able to book your missions for the dates and times of your choosing. The typical

mission runs 90 minutes; however, it can be modified to suit your needs.

TECHNICAL REQUIREMENTS

The mission is conducted through a videoconference link from your classroom to the Challenger learning Center at Wheeling Jesuit University in Wheeling, WV.

Mandatory test connections are scheduled one week before the mission. You will need one Internet-connected computer for every two students and a classroom with either a videoconference unit (preferred) or a webcam with Skype installed.

ON MISSION DAY

On mission day students connect live with the chief meteorologist via a videoconferencing unit for approximately 60-90 minutes. The person playing the role of a National Weather Service chief meteorologist is a professional educator and interacts with the students to guide the mission to a successful conclusion. The chief meteorologist alerts students in the remote task teams to new data received and works to oversee the teams' recommendations.

Throughout the simulation the chief meteorologist selects particular video clips and images to show the students weather conditions in the West Virginia areas they monitor. The images give the mission an authentic feel; it is not uncommon for students to ask, "Is this real?" At the end of the simulation, the chief meteorologist updates the students on the aftermath of the storm. In this sense students get to see the outcomes of their problem-solving and decision-making skills.

TEACHER TRAINING

Teacher professional development is offered at little or no cost to your school (travel expenses may apply). The West Virginia Storm professional development experience is highly recommended and ensures that you can facilitate the classroom preparation with ease. Contact us for details or use the online reservation form to book your training.

www.e-Missions.net