



### ***CONTENT AND CURRICULUM***

**Hurricane Alert!** is a complete curriculum package. The website includes preparation materials, hands-on classroom activities, references, and readings that enhance student knowledge of meteorology and hurricane 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 datasets to authentic problems so that by mission day they are well-equipped to carry out a successful mission. All materials are designed to meet math and science standards for grades 5-8.

### **MISSION QUESTIONS**

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### **SCHEDULING**

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[www.e-Missions.net](http://www.e-Missions.net)

Challenger Learning Center  
Wheeling Jesuit University  
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## WHAT IS HURRICANE ALERT?

**Hurricane Alert!** 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. With the help of a computer, the Internet, and a small video camera, students interact with a "chief meteorologist" played by an educator at the Challenger Learning Center®. Together, teams of students use their critical thinking skills and scientific knowledge to track hurricanes and predict locations of hurricane landfall.

## HOW DO I PARTICIPATE?

Each mission can accommodate from 6 to 32 students at a time. To schedule a mission, visit [www.e-Missions.net](http://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.

## 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 Hurricane Center chief meteorologist is a professional educator who interacts with the students to guide the mission to a successful conclusion. The chief meteorologist alerts the student 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 areas they monitor. The images give the mission an authentic feel; we use this in our existing missions, and it is not uncommon for students to ask, "Is this real?" At the end of the **Hurricane Alert!** simulation, the chief meteorologist updates the students on the aftermath of the hurricanes they tracked. 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 Hurricane Alert! 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.

## 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 six students and a classroom with either a videoconference unit (preferred) or a webcam with Skype installed.

