

The Giant AWAKENS.

Will the hurricane make landfall?
Will the volcano explode?
Will the residents need to be evacuated?

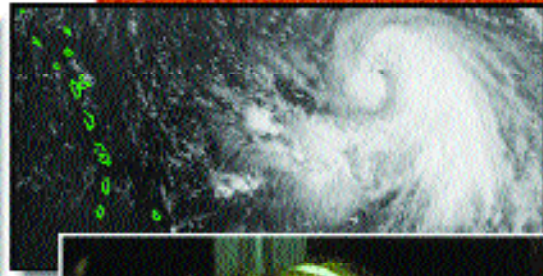
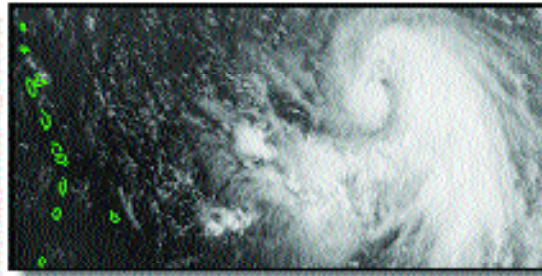
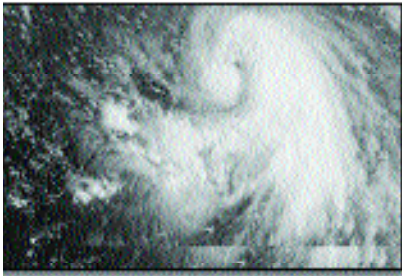
The giant awakens and the skies darken as ash and soot rain down on a remote tropical island. The volcano—now a ticking time bomb—has come to life once again and the residents of Montserrat worry about their fate.

As flaming pebbles and lava begin to devastate the countryside, emergency response teams learn a hurricane is approaching. Fortunately, the International Space Station astronauts make repairs on a satellite to transmit real-time data about the hurricane and volcano.

With this medley of disasters looming, Mission Control scrambles to assemble a team of specialists to assist the island residents.

Operation Montserrat is an innovative distance-learning program offered by the Challenger Learning Center. It challenges students apply their science and math skills to an authentic crisis situation.





A Real-Life Crisis Brought into Your Classroom

Digital learning has become critical to the success of education in America. Operation Montserrat creates an opportunity for teachers to offer their students access to realistic digital content. The interactive distance learning nature of the program gives students the chance to experience learning through simulations no matter how remote the school.

Operation Montserrat is a complete curricular package of classroom content which connects a flight director at the Challenger Learning Center with a classroom anywhere in the world. During the two-hour e-Mission, student specialists serve as members of a team: volcano, hurricane, evacuation or communication. With web-based computers, students interact with a flight director to track the hurricane, predict volcanic activity and consider evacuation options.

The Curriculum

The program meets important science and math process standards, science and technical studies standards for language arts, and social studies content standards for grades 6-9. Through pre-mission and mission day activities, Operation Montserrat builds students' enthusiasm for science and math, improves students' problem solving and critical thinking skills and teaches students the importance of teamwork and communication.

Prior to the mission, teacher orientation includes all the support materials necessary to run the program effectively: daily lesson plans, standards, assessment, and technology tips. The mission package also includes technology support to help educators prepare their classrooms for mission day.

Professional Development

Today's teachers are learning the importance of providing students with opportunities that prepare them for the workforce of the future. During this, and other Challenger simulations, students can practice 21st Century skills while being challenged to solve real life problems. In addition to running the e-Mission program for your students, schools may want to consider hosting one of our professional development workshops. This experience emphasizes how to use the standards and technology for effective student activities and assessment.

The Challenger Learning Center

The Challenger Learning Center is part of a International network of centers established in memory of the Challenger 51-L Space Shuttle Crew and first Teacher In Space, Christa McAuliffe. Each center provides a unique hands-on learning experience designed to foster interest in math, science and technology.



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Operation Montserrat Website
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