

# OPERATION MONTSERRAT

Grades 6 - 8

**The Giant Awakens!** 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 the tiny Island of Montserrat worry about their fate. As flaming pebbles and lava begin to devastate the countryside, satellites detect a fast-approaching tropical storm increasing in intensity. Mission Control assembles an emergency response team to assist scientists with analyzing the storm and volcano data, while preparing residents for possible evacuations. Will your students be able to apply their math and science skills to an authentic crisis situation to ensure the safety of the people of Montserrat?



## COMMUNICATION

Manages communications between students and Flight Director



## DATA

Enters mission data into tracking software



## HURRICANE

Tracks hurricane data and location in relation to island



## VOLCANO

Monitors total seismic (rock fall and tectonic) activity



## EVACUATION

Evaluates safety of residents and possible evacuation plans

**How does the program work?** Challenger provides training and materials; teachers prepare their students to connect via video conferencing software and apply their math, science and essential skills to rise to the challenge of this interactive and exciting simulation.

## OPERATION MONTSERRAT HIGHLIGHTS

- Highlights math and science
- Teacher training included
- Standards-based lessons
- Easy-to-use technology
- Program materials included
- Digitally delivered to classroom
- 2-hour run time
- \$450

