GOES-R
LIGHTNING MAPPERS

The Geostationary Operational Environmental Satellites (GOES-R) are the nation's most advanced fleet of weather satellites, providing advanced detection and protection from a variety of environmental phenomena including hurricances, wild fires and lightning. In this package, students learn about the amazing capabilities of these orbiting watchdogs, the basics of weather maps, and the importance of team skills, before taking on the role of Ground Specialists responding to a malfunctioning GOES-R unit. Will the class be successful in analyzing mapped lightning data and reestablishing a connection before the next major weather event?

MATH SKILLS

- Interpret data
- Manipulate numbers to repesent weather data
- Apply properties of multiplication and division

SCIENCE SKILLS

- Weather hazards and their impact
- Technology as a tool
- Interpreting maps

ESSENTIAL SKILLS

- Using data to drive decisions
- Problem solving
- Interpersonal communication

WHAT IS *LIGHTNING MAPPERS*? An interactive, engaging, digital experience that immerses students in a live event, organically highlighting the importance and application of math, science, language and essential skills like teamwork, problem-solving and communication.

LIGHTNING MAPPERS HIGHLIGHTS

- Highlights math and science
- Teacher training
- Standards-based lessons
- Easy-to-use technology
- Program materials included
- Digitally delivered to classroom
- 2-hour run time
- $325

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