



Briefing Sheet: **Volcano Team**

Sept 4, 1996: Team Information

The Mission

At the beginning of the e-Mission, the Space Shuttle's crew will repair the Low Earth Orbiting Satellite. If the repairs are successful, you will begin to receive important data that will update your Emergency Response Teams on the situation both on Montserrat and within 500 miles of the island.

You will prepare reports on the status of the volcano and dangers to the island. You will also give advice to the residents and the emergency services.

Good luck,
Mission Control

Your Task

Before the Mission Begins, your team should practice working out volcano data. You should be able to:

- Receive **hourly Rock Fall (RF)** and **Volcano Tremors (VT)** data from a web page and predict what the **daily rate** will be for each (on two separate worksheets).
 - Add the daily predictions for **RF** and **VT** together to find **Total Seismic Activity**.
 - Prepare a report form every five minutes to be sent to Mission Control by the Communications team
 - Draw Graphs using **Rock Fall (RF)**, **Volcanic Tremor (VT)** and **Total Seismic Activity** to determine whether your team can predict any eruptions.
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Team Tasks

Your team needs to have people in charge of the following tasks (A team member can take more than one role):

1. **Rock Fall Officer.** Select one person to record the real-time data for **Rock Fall (RF)** on the Seismic Work Sheet.
2. **Volcano Tremors Officer.** Select one person to record the real-time data for **Volcanic Tremors (VT)** on the Seismic Work Sheet.
3. **Graphing.** Select one person to chart the seismic activity and predictions on the graphs.
4. **Recorder.** Select one person to fill out the Report Form every five minutes. They should also write down all questions from Mission Control and respond back with written notes to be given to the Communications or Data Officer.
5. **Runner to Comm Team.** Select a spokesperson to interact with the Communications Team (may be combined with Recorder)
6. **Reporter.** Select one person to update a "graphic organiser" every few minutes so that each team can tell what is going on at a glance. *The organiser should be a white board or chalkboard posted on the wall for all the teams to see.*
7. **(optional) Runner to Hurricane Team.** Select one spokesperson to interact with the Hurricane Team
8. **(optional) Runner to Evacuation Team.** Select one spokesperson to interact with the Evacuation Team