

Mission Briefing



Names: _____

Date: _____

The Search for EHE

Science Background

The self-piloting Event Horizon Explorer (EHE) has travelled the Milky Way Galaxy, visiting several black holes and leaving probes to gather data. The operation has largely been a success, and the probes left by EHE have transmitted their data to Earth. Unfortunately, the final transmission received from EHE was badly scrambled. There is no indication of EHE's location. EHE may have crossed too close to a black hole's event horizon, taking with it any hope for recovery.

Objective

As a team of black hole researchers, your task is to unlock the transmitted data from the probes. The information to decode the final transmission from EHE is scattered among the probe data. Locate EHE and figure out whether it can get back to Earth.

Unfortunately, the lab's standard encryption protocol allows researchers to examine and interpret the data from the probes for a limited amount of time. Work fast, work smart, and help bring EHE home!

Use a blank piece of paper for notes, calculations, or to record your thinking. Begin by piecing together the Galaxy Map.

Here are links to your confidential documents:

[Galaxy Map](#)

[Initial Code Entry Form](#)

[Black Hole Database](#)

Good luck!



Event Horizon Explorer (EHE) spacecraft