

Situation



Destination Mars

Rocketry Day 1



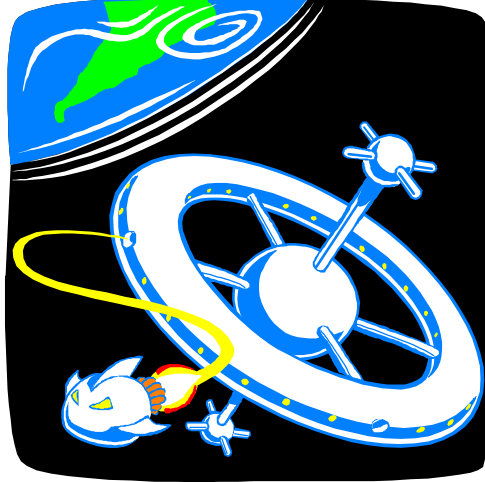
The space shuttle is the world's most amazing machine. It saves millions of dollars because it has parts that can be used over and over. (Rockets, including the Apollo giants, are made for only one trip.) Shuttle astronauts are some of the best pilots in the world because they can bring the shuttles back to earth.

Objectives



Students will use problem solving skills to learn about the possibilities and abilities of the space shuttle.

Problem



Your team will use a shuttle simulator to try to fly the shuttle to Mars. You must go through many experimental flights and follow all of the on-screen commands.

Requirements



Watch the video, "Destination Mars" , and follow the tape to learn how to use the program.

Your grade will be based on the following performance:

- A = team reaches Mars
- B = team completes 2 successful missions
- C = team completes 1 successful mission
- D = team successfully completes 1 experiment in orbit
- F = no experiments completed

Materials



"Destination Mars"
installed on
computer (1 per
group)

"Destination Mars"
program guide (1
per group)

"Destination Mars" code
sheet (1 per group)