

## CHALLENGER ACTIVITIES

### Objective

Upon completion of this activity, students will be able to:

- research past space exploration events.
- determine importance & relevance of space exploration events.
- create a visual aid for use during class presentation

### Instructional Time

45 minutes–90 minutes

### Materials

“Challenger Activities” Student Worksheet

Internet

Science journals

Books

Magazines

Pencils/Pen

### Procedure

1. Decide if students will work individually or with a partner.
2. Distribute the class activity sheets.
3. Discuss with students a brief history of space exploration. Understanding what has been, or has not been accomplished determines the goals for future space exploration.
4. Make available any necessary materials.
5. Provide students with a research time and a final date in which all items must be turned in.

Student Name \_\_\_\_\_ Date \_\_\_\_\_

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DIRECTIONS. Read over the following two options. Choose one of the options to be completed according to the guidelines set by your teacher.

### Option #1

Create a timeline of various topics related to space exploration and travel. This activity can be done as individual activity or a group/team activity. The parameters of the timeline may be very broad or very specific time. Possible topics could include (1) missions or explorations: USA; world; USA vs. Soviet Union; USA vs. world, or (2) technology development: USA; world; USA vs. Soviet Union; USA vs. world.

### Option #2

Research and report on topics related to space exploration and/or technological developments. Possible topics could include (1) Astronauts: individual, qualifications and training program; (2) Technology; (3) Different missions; (4) Technology developments/inventions: types/purposes and models/diagrams; (5) Materials or inventions used in today's everyday life which originated through space technology; (6) Various jobs at Mission Control: qualifications and responsibilities; (7) Future missions and their purposes.