

## Mission Preparation Guidelines and Recommendations

### Team Assignments

1. Introduce your students to the Challenger Learning Center and the teams available.
2. Have your students apply for a team assignment.

### Classroom Preparation

1. Teamwork Activity – suggest Comet Thermal Insulator
2. Mission Patch Activity – workshop binder
3. Communication activity – airplane construction and flight data logs
4. Comet activities
  - a. Cookin' Up a Comet – in workshop binder (optional)
  - b. Cometary Orbit – eccentricity – in workshop binder
  - c. Parts of a Comet – in workshop binder in resource section
5. Vocabulary Activities
  - a. Glossary – in workshop binder in resource section
  - b. Jeopardy Game – on Additional Resources Disc
6. Electromagnetic Spectrum – in workshop binder (optional)
7. Other activities you chose from the workshop binder, Comet and Mission Prep Activity Guide Disc, and Additional Resources Disc

### Post Mission Activities

1. Press Conference – in workshop binder
2. Final Report – in workshop binder

We recommend using at least six class periods to prepare your students. You may also choose to have other subject area teachers join you in the preparation of your students. For example, you may choose to have the language arts teacher do the job application lesson, the art teacher do the mission patch activity, and so on.

Class Period One: CLC Introduction & Team Descriptions  
Homework: Job Application

Class Period Two: Mission Patch Activity

Class Period Three: Comet Briefing  
Cookin' Up a Comet, Cometary Orbit, and/or Parts of a Comet

Class Period Four: Choose mission patch; review parts of a comet.  
Jeopardy or glossary bingo

Class Period Five: Communication Activity and Test Flights

Class Period Six: Electromagnetic Spectrum Activity and/or other activities from your resources

We recommend using at least two class periods after the mission to analyze the data, do final reports, and perhaps a press conference for the school.

Most of all have fun! You and your students will have a wonderful experience. Call us anytime!  
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Your CLCNM Crew,

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