

Using the Folder and the materials:

The materials within the folder are provided through the generosity of Sun Earth Connections Missions. It is important that the missions provide their interrelated story for educators so that the science can be accurately interpreted for use in the classroom. The folder and its contents are provided for educators to use in their classrooms and the NASA network, colleges and universities for workshops that provide content of the Sun.

A bulletin board design:

**Folder** is the banner. (A larger banner is available as an on-line download). The inside images of the eclipse should be removed and placed on the bulletin board providing images of a total solar eclipse from start to finish. The **Theme Poster** provides information about eclipses. Using sentence strips write some of the facts on the strips (or have the students write the facts) and place them on the bulletin board.

- Make copies of the back of the poster- one for each pair of students or each group of 4.
- Have the students generate facts about eclipses from the information provided.
- Students write the facts on sentence strips for the bulletin board.
- Each group should share the facts with their classmates before they are placed on the bulletin board.
- Include the book marks, fact sheet and litho to point to 4 of the Sun-Earth Connection Missions.

For the **Elementary** School Classroom-

- Use the activities within the Instructional Guide, based on the strand map inside the folder.

For the **Middle** School Classroom-

- Use the activities within the Instructional Guide, based on the strand map inside the folder.
- Use the Space Weather CD for student research and educator content for the students.
- Use the Extra Credit mathematics activities as classroom group problems to be solved or as extra credit activities.

For the **High** School Classroom-

- Use the activities within the Instructional Guide, based on the strand map inside the folder, and the content materials within the folder for researching the dynamic Sun.
- Mission research and awareness- Solar B, Stereo, Ulysses and Voyager, soon to have data provided on Tracking a Solar Storm <http://son.nasa.gov>
- Research opportunities include, cultures, spectra, general theory of relativity, solar dimensions, composition of corona, speed of electrons, electron temperature.