**“A” Work**

**Eclipse Poster**

You can see other effects of the Moon’s revolution than just the changes in its phases. Sometimes during a new and full moon, shadows cast by one object will fall on another. While walking along on a sunny day, have you ever noticed how a passing airplane can cast a shadow on you? On a much larger scale, the Moon can do this too, when it lines up directly with the Sun. When this happens, the Moon can cast its shadow all the way to Earth. Earth can cast its shadow onto the Moon during a full moon. When shadows are cast in these ways, eclipses occur.

You are to create a poster (a poster is at least 8 ½ inches by 14 inches. Smaller sizes will not be accepted. Paper is in the art cabinet.) which includes the following;

* Draw and label illustrations of a **lunar** and a **solar** eclipse. Illustrations must be to relative scale.
* Include both the umbra and penumbra
* Compare and contrast a solar and lunar eclipse with 3 facts for each. May be on poster or separate paper. Must be typed.
* Explain why more people observe a total lunar eclipse than a total solar eclipse. May be on poster or separate paper. Must be typed.

Rubric 15 points possible

Lunar eclipse – includes all parts, in the correct relative sizes and positions, labeled 4

Solar eclipse - includes all parts, in the correct relative sizes and positions, labeled 4

Drawn carefully and neatly, pleasing to the eye 2

Compare and contrast 3

Explanation about why more people see a lunar eclipse 2