

## CRITERIA FOR JUDGING

### Collection with Classification

← LEAST

HIGHEST →

- Title – Student states project title
- Research Report – Student provides written research information
- Classification Scheme – Student classifies collected objects
- Conclusions – Student describes what was learned
- References and Acknowledgements – Student credits all sources

1	2			
1	2	3	4	5
1	2	3	4	5
1	2	3	4	5
1	2	3	4	5

## EXAMPLE

Suppose you collected twelve rocks from your neighborhood. You might sort them by color, size, or how much they sparkle. Or you might put the rocks into categories of hard or soft. First, soak them in water and then rub them on a hard surface. By comparing the size and color of the streak, the rocks could be classified as softest rocks, next softest rocks, and so on, until you have those which are hardest in the last category.

### Here are some examples of items to classify:

Feathers\*

Seeds from grapes\*

Pieces of bark\*

Eggshells\*

Lenses\*

Empty insect nests\*

Fossils\*

Leaves\*

\*These items cannot be displayed on the project board. Take photos instead and display those.

## CRITERIA FOR JUDGING

### Exhibit: Demonstration, Model, or Display

← LEAST

HIGHEST →

- Title – Student states project title
- Research Report – Student provides written background information
- Exhibit Explanation – Student describes what the exhibit shows.  
(Pictures of the student doing each step are encouraged.)
- Conclusions – Student describes what was learned
- References and Acknowledgements – Student credits all sources

1	2			
1	2	3	4	5
1	2	3	4	5
1	2	3	4	5
1	2	3	4	5

## EXAMPLES

### Demonstration

You might want to demonstrate how light reflects off different objects. For instance, you might arrange a set of Lucite mirrors (no glass) or even pieces of foil to show how a beam of light from a flashlight bounces from one reflective surface to another. Your report could explain that light travels in straight lines. Many demonstrations are found in books like "Mr. Wizard," which are available from the library.

## CRITERIA FOR JUDGING

### Experiment

← LEAST

HIGHEST →

• Title of Experiment – Student states project title	1	2			
• Problem – Student asks a testable question	1	2	3	4	5
• Definitions – Student knows the meaning of the words in the problem	1	2	3	4	5
• Hypothesis – Student predicts what the results will be	1	2	3	4	5
• Background Information – Student provides written research information of test	1	2	3	4	5
• Experimental Procedure – Student describes steps of test	1	2	3	4	5
• Experimental Materials – Student lists items needed for test	1	2	3	4	5
• Results – Student describes what happened; tables and graphs display data.	1	2	3	4	5
• Conclusion – Student answered the question posed in the problem	1	2	3	4	5
• References and Acknowledgements – Student credits all sources	1	2	3	4	5

### EXAMPLES

Do ants like diet soda? Do batteries of the same brand last the same amount of time?

Does warm water freeze faster than cold water?

**Remember to check the list of prohibited/discouraged/allowed items on pages 3 and 4 before building your display board.**