

Solar Energy Rubric

Name _____ Group _____

Medium Chosen: _____ Multimedia Slideshow _____ Newsletter or Brochure

| | 4 | 3 | 2 | 1 |
|---------------|--|--|---|--|
| Understanding | Explanations by all group members indicate a clear and accurate understanding of solar energy and heat transfer, and a rationale for the project is explained. | Explanations by all group members indicate a relatively accurate understanding of the scientific principles of solar energy and heat transfer, and a rationale for the project is explained. | Explanations by most group members indicate some understanding of the scientific principles of solar energy and heat transfer, and an attempt is made to explain a rationale for the project. | Explanations by several members of the group do not illustrate much understanding of the scientific principles of solar energy and heat transfer, and no attempt is made to explain a rationale for the project. |
| | Plan Plan is neat with clear measurements and labeling for all components. | Plan is neat with clear measurements and labeling for most components. | Plan provides clear measurements and labeling for most components. | Plan does not show measurements clearly or is otherwise inadequately labeled. |
| Organization | Information Gathering Accurate information is taken from several sources in a systematic manner. | Accurate information is taken from a couple of sources in a systematic manner. | Accurate information is taken from a couple of sources but not systematically. | Information is taken from only one source, or information is not accurate. |
| | Composition Well-chosen fonts, pleasing colors, and graphics support ideas throughout the project. Design elements flow, guiding the reader. | Fonts, colors, and graphics are suited to the project. Design elements are consistent. | Fonts, colors, and graphics may be randomly chosen. Design elements are irregular. | Text, colors, and graphics are distracting or inappropriate. Design elements detract from the project. |
| Technology | Medium Elements particular to the medium are used to advantage. Digital photos and graphs are creatively used to communicate ideas. | Some special features of the medium are employed. Digital photos and graphs are used to communicate ideas. | Few features of the medium are employed. Digital photos and graphs are used but do not communicate effectively. | The medium is not used to advantage. No digital photos or graphs are used effectively. |
| | Mechanics Word choice is appropriate and engaging. Grammar and spelling are free of errors. | Word choice is appropriate. Grammar and spelling are generally free of errors. | Word choice is generally appropriate. Poor grammar and spelling cause several errors. | Word choice is inappropriate. Poor grammar and spelling cause major errors. |

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| Construction | Materials | | | |
| | Appropriate materials were selected and creatively modified in ways that made them even better. | Appropriate materials were selected, and an attempt was made at creative modification to make them even better. | Appropriate materials were selected. | Inappropriate materials were selected and contributed to a product that performed poorly. |
| | Modifications | | | |
| | Project shows clear evidence of troubleshooting, testing, and refinements based on data or scientific principles. | Project shows clear evidence of troubleshooting, testing, and refinements. | Project shows some evidence of troubleshooting, testing, and refinements. | Project shows little evidence of troubleshooting, testing, and refinement. |

Medium

Multimedia Slideshow

Brochure or Newsletter

Comments:

Journal Entries

Comments: