

CBWCD Water Wise Challenge Judges Rubric

Science Projects

Project Title: _____ Grade Category: _____ Judge Initials: _____

| | UNSATISFACTORY (1 POINT) | COMPETENT (2 POINTS) | OUTSTANDING (3 POINTS) | Score |
|---|--|--|---|--------------|
| Applicable and Relevant | Minimal. The findings from the project are not applicable to southern California, would not be feasible to implement. | Somewhat. The findings from the project may be applicable to the southern California and are feasible to implement with major adjustments. | Definitely. The findings from the project are applicable to southern California and are feasible to implement with minor to no adjustments. | |
| Impact | Minimal. If the findings of the project were applied, it would have minimal impacts on water conservation by reducing use, protecting sources, etc. | Some. If the findings of the project were applied, it would have some impacts on water conservation, but would not significantly help by reducing use, protecting sources, etc. | Significant. If the findings of the project were applied it would have significant impacts on water conservation by reducing use, protecting sources, etc. | |
| Background Research on Methods and Problem | Minimal to no relevant research. Lacks supporting evidence and reasoning as to why the findings of the project are important or how it could lead to water conservation. | Not quite enough relevant research. Incorporates 1-2 background sources. Does not provide significant evidence and reasoning as to why the findings of the project are important or how it could lead to water conservation. | Sufficient amount of relevant research. Incorporates more than 2 background sources. Provide significant evidence and reasoning as to why the findings of the project are important or how it could lead to water conservation. | |
| Authenticity | The majority of the project was completed with an unfair amount of adult help and/or by following instructions or ideas of others, including online sources. | The majority of the project reflects student led work. The project and display are work of the student(s) with some noticeable adult help or copying from the internet. | The project is entirely student led. The design and display are their own ideas and the work of the student(s) reflects an exceptional degree of student creativity. | |
| Oral Communication | Participant cannot describe their project, process or the problem being addressed. Or, demonstrates no interest in the project. | Participant can describe their project, process or the problem being addressed with some difficulty. Or, demonstrates little interest in the project. | Participant can clearly and confidently describe their project, process or the problem being addressed. Demonstrates appropriate interest in the project. | |
| Display and Written Communication | Disorganized delivery of content. Display poorly organized with >2 spelling/grammar errors. Shows no supporting evidence of the planning, data collection or analysis. | Organized delivery of content through display. <2 spelling/grammar errors. Has some supporting evidence of the planning, data collection or analysis process such as materials list, pictures, graphs, etc. | Articulate, well-organized delivery of content through display. Has significant supporting evidence of planning, data collection or analysis process such as materials list, pictures, graphs, etc. | |
| Appropriate Experimental Design | No. The question proposed is not answerable by the scientific method, the experiment conducted does not answer the question asked. Variables are not defined and/or there is no control. | Somewhat. The question is answerable but there are flaws in the experimental design that prevent the question from being adequately answered. Variables are not well defined and/or there is no control. | Definitely. The question is answerable. The experimental design is adequate for answering the question. Variables are well defined and there is a control. | |
| Accurate Conclusion | No. The data collected does not support the conclusion provided. | Somewhat. The conclusion is only partially supported by the data collected. Limitations to the findings are not adequately identified. | Yes. The conclusion is entirely supported by the data collected and/or limitations are identified. | |
| Total | | | | |