

SAFETY FIRST ENGINEERING PRESENTATION RUBRIC: PHYSICAL SCIENCE

| Criteria | Ratings | | | | |
|-----------------------------------|---|---|---|--|---|
| Description | Exceeds | Meets | Approaching | Needs Improvement | No Marks |
| Introduction & Summary | Introduction contains all aspects listed. All materials used are listed. All steps are easy to follow and in a logical sequence of ideas. A clear goal is stated. | Introduction contains all aspects listed. All materials used are listed. All steps are in order. A goal is stated. | All aspects are represented but not in an organized manner. A goal is present. | At least two aspects are represented. | This part of the presentation is incomplete or missing. |
| Visual Representation | Presentation has appropriate font size, text is easily visible (light text, dark background, and no busy backgrounds), and images are included. | Presentation has appropriate font size, text is visible, and images are included. | Presentation text is visible, and images are included. | Presentation text lacks visibility, and little to no images are included. | This part of the presentation is incomplete or missing. |
| Experimental Design | Design shows the learner has analyzed the problem and has independently designed and conducted a thoughtful experiment. | Design shows the learner grasps the basic idea of the scientific process by conducting an experiment that controlled obvious variables. | Design shows that the learner grasps the basic idea of the scientific process but needs some help in controlling obvious variables. | Design shows the learner can conduct an experiment when given considerable help by the instructor. | This part of the presentation is incomplete or missing. |

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| Data Analysis & Summary | Data was collected and recorded in an orderly manner that accurately reflects the results of the experiment. | Data was recorded in a manner that probably represents the results of the experiment. | Data was recorded in a disorganized manner or only with instructor assistance. | Data was recorded in an incomplete, haphazard manner or only after considerable teacher assistance. | This part of the presentation is incomplete or missing. |
| Presentation | Speech presented a clearly defined point of view that can be supported by research. Audience interest was considered, as were gestures, voice, and eye contact. | Speech was prepared with some instructor help but uses experiment results. Speech was logical and used gestures, voice, and eye contact to clarify meaning. | Speech was given after active instruction. Some consideration was given to gestures, voice, and eye contact. | Speech was given only after active instruction. | This part of the presentation is incomplete or missing. |
| <p>Reference: <i>Wiggins, G. (1998). Educative Assessment. Jossey-Bass.</i></p> | | | | | |