**Big Idea Project Rubric**

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|  Elements | Weight | 20 Points | 16 Points | 12 Points | 8 Points | 4 – 0 Points | Total |
| Project Lab Description |  | The project description is accurate and completely addresses each component of the prototype design. It is based on in-depth research. | The project description adequately addresses each component of the prototype design. It is based on inadequate research. | The project description inadequately addresses the prototype design. The materials listed are vague. The procedure is sometimes inaccurate. | The project description is not adequate to build the project. Research is vague or lacking.  | There is no evidence of accurate prototype design or research. |  |
| Project Lab Report |  | The project report is accurate and completely addresses each component of the prototype design. It is based on in-depth research. It has been organized using a logical sequence. The data collected is convincing. | The project report adequately addresses each component of the prototype design. It has been mostly organized using a logical sequence, but some flaws exist. The data is adequate. | The project report inadequately addresses the prototype design. The materials listed are vague. The procedure is sometimes inaccurate. Data collected is vague. | The project report is disorganized, unclear, or confusing. The procedure is sometimes inaccurate. Data collected is vague or missing. | The project report does not include evidence of research or organization. |  |
| Prototype | X2 | The prototype effectively and creatively solves the problem stated in the lab description. There is evidence of a quality build based upon informed research | The prototype adequately solves the problem stated in the lab description. There is evidence of an informed attempt to build an effective solution. | The prototype attempts to solve the problem stated in the lab description. The quality of the build is lacking. | The prototype omits important points in the problem statement. The quality of the build is inappropriate or lacking. | The prototype is poorly designed, built or fails to address the problem statement. |  |
| Presentation |  | The presentation indicates detailed preparation and practice in delivery including the use of voice, posture, eye contact, gestures, pacing, and use of pictures, graphs, computer models, etc. The presentation is interesting and vivid. | The presentation indicates satisfactory preparation as well as practice in delivery including the use of voice, posture, eye contact, gestures, pacing. The presentation includes some use of pictures, graphs, computer models, etc. | The presentation indicates some preparation as well as some practice in delivery including marginal use of voice, posture, eye contact, gestures, pacing, and marginal use of pictures, graphs, computer models, etc. | The presentation is lacking in preparation and in practice of the delivery including use of voice, posture, eye contact, gestures, pacing, and little or no use of pictures, graphs, computer models, etc. The presentation is difficult to hear. The presenter appears tense and fidgets often. | The presentation lacks any indication that preparation and practice were conducted prior to the formal presentation. |  |