

# Greater Kansas City Science and Engineering Fair

## Inventions Project Scoring Guide

-----Gold-----|-----Silver-----|-----Bronze-----

| Intermediate & Junior Only  | Full Accomplishment   | Substantial Accomplishment   | Partial Accomplishment   | Little or no Accomplishment                                       |
|---|---|--|--|---|
| <b>Records</b>  |   |  |  |   |
| Is a <b>Journal</b> or <b>Log</b> present that documents day-to-day activities?                           | <b>Yes</b> , it is detailed, complete and clear.  | <b>Yes, but</b> there are portions that are not clear.                   | <b>No, but</b> there was an attempt to keep notes.                                     | <b>No</b> , there is no journal.                                  |
| <b>Report</b>   |   |  |  |   |
| Is there a <b>summary statement</b> ?   | <b>Yes</b> , it allows the reader to grasp the entire scope of the design process.                        | <b>Yes, but</b> there are some areas that were not addressed.            | <b>No, but</b> there are statements that have some relationship to the design process. | <b>No</b> , there is no summary statement.                        |
| Is there documentation to show that this <b>invention is original</b> ?                                   | <b>Yes</b> , many different sources were surveyed to determine that this product does not now exist.      | <b>Yes, but</b> there is still some doubt as to its originality.         | <b>No, but</b> the product may be original.  | <b>No</b> , there is no documentation that any research was done. |
| Is there documentation to show that potential <b>customers</b> were surveyed?                             | <b>Yes</b> , and the survey indicated a need for this invention.  | <b>Yes, but</b> there are flaws in the survey.                           | <b>No, but</b> the inventors impressions are included.                                 | <b>No</b> , there is no indication of potential customers.        |
| Is the <b>invention described</b> ?   | <b>Yes</b> , the problem being solved is clearly stated and the advantages of this invention are obvious. | <b>Yes, but</b> the description is lacking in some aspects.              | <b>No, but</b> there are statements that refer to the invention.                       | <b>No</b> , there is no description.                              |
| Are there final <b>drawings</b> and/or <b>schematics</b> ?  | <b>Yes</b> , they are accurate, detailed and all parts are labeled.                                       | <b>Yes, but</b> they are somewhat different than the working model.      | <b>No, but</b> rough sketches are included.  | <b>No</b> , there are no drawings.                                |
| Is there evidence that the <b>invention was tested</b> ?  | <b>Yes</b> , a description of the tests and their results are included (comments or graphs).              | <b>Yes, but</b> the results are not complete.                            | <b>No, but</b> there is evidence that some testing was done.                           | <b>No</b> , there is no evidence of any tests being done.         |
| Is there an <b>analysis</b> of the <b>cost</b> of this product?   | <b>Yes</b> , all materials are accounted for and the selling price is included.                           | <b>Yes, but</b> there are some costs that were not anticipated.          | <b>No, but</b> mention was made of costs.  | <b>No</b> , there is no indication of cost analysis.              |
| Are examples of <b>advertisements</b> for this invention included?  | <b>Yes</b> , the slogan is catchy and visuals are appropriate.  | <b>Yes, but</b> it isn't clear what the product does.                    | <b>No, but</b> parts of the display might be useful for advertising purposes.          | <b>No</b> , the invention is not advertised.                      |
| <b>Working Model</b>  |   |  |  |   |
| Was the working model <b>constructed</b> so that <b>integrity</b> with the original design is maintained? | <b>Yes</b> , it is constructed as it is illustrated or described in the report.                           | <b>Yes, but</b> there were a few minor changes.                          | <b>No, but</b> there was some semblance to the schematic.                              | <b>No</b> , the final model did not resemble the original design. |
| Is the model <b>functional</b> ?  | <b>Yes</b> , the model was constructed well enough to function as desired.                                | <b>Yes, but</b> the operator needed to be careful to make it work right. | <b>No, but</b> one could make it function with effort.                                 | <b>No</b> , it was not functional.                                |
| <b>Display</b>  |   |  |  |   |
| Does the display effectively and concisely summarize the process of the student?                          | <b>Yes</b> , it is clear and easy to read.  | <b>Yes, but</b> there are elements that are unclear.                     | <b>No, but</b> information is presented.   | <b>No</b> , little can be understood from the display.            |
| Does the accompanying <b>paper</b> add to the display?  | <b>Yes</b> , the additional information is helpful.   | <b>Yes, but</b> there are elements that are unclear.                     | <b>No, but</b> some additional information is presented.                               | <b>No</b> , the paper is identical to the display.                |

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Project # \_\_\_\_\_