

## Student Checklist: **Intelligence and Behavior**

**Directions:** Use the checklist to help complete the STEM Expo project. Judges will use a rubric to evaluate the project. Missing pieces can impact the overall score.

### **General Display Requirements**

- ☐ Is the display attractive, easy to read and in logical order?
- ☐ Have you included enough details and visuals to explain the project for audience understanding?
- ☐ Is the display organized and complete?
- ☐ Is the project (relatively) original/innovative?
- ☐ Does the display demonstrate your understanding of the science or engineering behind the project?
- ☐ Did you record the process of the project development in a journal or log book?

### **Category Specific Evaluation**

- ☐ Why did you choose this topic? Why is this topic important to society/students?
- ☐ Was relevant research conducted and documented?
- ☐ Are the materials listed with accurate units of measure?
- ☐ Are the results/summary clearly stated? Does the summary address ALL variables?
- ☐ Was the investigation repeated (i.e., several trials) for accuracy?
- ☐ Are all the steps of scientific method demonstrated?
  - ☐ Is the Problem/Question clearly stated?
  - ☐ Is the hypothesis clearly stated? (I think ... because . . .)
  - ☐ Is the Procedure sequential and easily repeatable
  - ☐ Does the procedure include all the variables being tested and how they will be measured?
  - ☐ Is there qualitative and quantitative data used and recorded?
  - ☐ Does the conclusion include whether or not your hypothesis was correct?
    - ☐ What did you learn and what questions do you have?

### **Sample Project Display Board**

Question/ Problem	<b>Title</b>	Materials
Hypothesis	Results (Data)	Procedure
Research	Summary of Results	Conclusion