

Student Checklist: **Inventions**

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/Presentation Requirements

- ☐ Is the display or presentation (i.e., Google Slides) 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 or presentation organized and complete?
- ☐ Is the project (relatively) original/innovative?
- ☐ Does the display or presentation 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

- ☐ Does the invention clearly state the problem it was intended to solve?
- ☐ Who is the target audience? Does the need really exist?
- ☐ Are the parts of the device clearly labeled? Are the functions clearly described?
- ☐ Do the images show how the parts fit together? Explain how they fit together.
- ☐ Did you research similar products?
- ☐ Did you describe the product and its uses?
- ☐ How would you market this invention
- ☐ Is the prototype (model) well designed and complete enough to show important aspects of the entire invention?

Sample Project Display Board

Purpose and function	Title	Market
Real-world Application	Components and functions	Project Reflection: What did you learn?
	Components fit together	

Student Checklist: **Robotics and Computation**

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