

# Invention Log Criteria



Presented by  Raytheon Technologies

Judging is based on the thoroughness of the logbook. Judges should evaluate each logbook using the topics on this rubric and the depth of explanation provided by the inventor. Descriptions in bold are the most important topics in that criterion.

Criteria	Description	Points Possible
<b>Inventing Process</b>	<p><b>Logbook must document student initiative and the inventing process from brainstorming prototype to final project (include modifications/improvements/all changes from beginning to end).</b></p> <p>Logbook documents how idea originated; evidence of student being the main contributor to the project (students should do all work appropriate for their grade level; adult help is encouraged regarding any safety issues, such as using power tools).</p>	0-4
<b>Research and Documentation</b>	<p><b>Documents research related to the topic and existence of similar inventions (explains originality).</b></p> <p>Lists all items used, including borrowed and repurposed. Documents expenses under \$50 for purchased materials. Documents help from adults.</p>	0-4
<b>Analysis</b>	<p><b>Provides analysis of the invention benefits/consequences: environmental, societal, market potential.</b></p> <p><b>Gives pros/cons of design process.</b></p>	0-2

## Process

- Logbook judges will be trained on the Invention Convention Worldwide Judging Training Webinar.
- Judges will score logbooks using the criteria above on a 10-point scale.
- Logbooks that receive a 10 will be reviewed by the Judging Committee, and a winner will be selected.

