



Invention Competition Rules

The idea of the invention must be student initiated. Guidance* from parents, adults, or friends is acceptable but must be fully documented in the Inventor's Journal. Student must do all work that he/she can safely do at the child's age. The original idea must be the student's own.

- The overall theme of the invention must enhance the quality of life and be humane.
- Each invention must include a three-dimensional model, prototype, or the actual invention.
- A free-standing display (not wall poster) is required. Display must include name of invention, blueprints or diagram, goal or problem invention solves, and how the invention works or functions. Pictures or photos are encouraged.
- Cost of new materials is not to exceed \$25.00 for the model or prototype. Display board and journal do not count in cost. Journal must document donated, borrowed, or repurposed materials and list costs of newly-purchased items. No receipts are needed.
- An **Inventor's Journal** must accompany the invention. In the journal, students should document the inventing process from brainstorming through prototypes, and show how they have met the judging criteria. Neatly hand-written journals are encouraged.
- Inventions in any category may be entered by individuals or by teams of students. Mixed grade level teams must register in the grade division of the oldest member. No more than 4 students per team. Note: if selected to win an award, one award is presented to the PROJECT.
- Inventions from prior years will not be accepted.
- All inventions grades 1-8 will be judged by the same criteria. High school judging criteria are slightly modified to include a CAD drawing and a video.
- No weapons or weapon systems; defensive systems are acceptable.
- *NOTE: Students are expected to do all work themselves, except in issues of safety. Parent guidance is best done by asking questions—not doing it for the child. Plagiarism is not acceptable. Adult help must be documented.

GRADE DIVISIONS

1 & 2

3&4

5&6

7&8

9-12

Student Invention Project Number: _____

Name of Invention _____

REGIONAL INVENTION CONVENTION JUDGING FORM

CHECK ONE CATEGORY	<input checked="" type="checkbox"/>	Grade LEVEL
SCALED WORKING MODEL		
NON-WORKING MODEL		
ADAPTATION		
JULES VERNE!!		
GAMES AND GADGETS		



JUDGES: Rate this entry on the following six areas. The highest number in each area represents the best example of an invention. Comments and

suggestions are invited and may be of help to the entrants in the next level of competition. **DO** write subscores in each section.

CRITERIA	DESCRIPTION	POINTS POSSIBLE	POINTS EARNED	NOTES
ORIGINALITY	This project represents original, creative thought; is a unique solution or innovation.	35 points: +10 Unique Solution +15 Creative Thought +10 Original Idea		
INVENTING PROCESS	Model, presentation and journal all demonstrate how the student originated the idea and was the main contributor to the project. The journal must document student initiative and the inventing process from brainstorming, prototype to final project	30 points: student originated +5 brainstorm +10 prototype +5 test & redesign +10		
ACCOMPLISHES STATED GOAL OR PROBLEM	The project accomplishes the goal or problem stated in the Inventor's Journal	5 points		
VISUAL APPEAL	The project and display have strong visual appeal, neatness. The display includes name of invention, goal, how it works and blueprint.	15 points visual appeal +7 name, goal, etc. +8		
RESEARCH AND DOCUMENTATION	The journal and/or display documents research related to the topic and existence of similar inventions. The journal shows list of all items used including borrowed & repurposed items, showing costs under \$25.00 for <u>purchased materials</u> . <u>No receipts needed</u> . Documents HELP from any adults.	15 points Topic research +5 Product research +7 Material documentation +3		
ANALYSIS Bonus points 0-3	Analysis of the invention benefits/consequences: Environmental, Societal, Market Potential. Pros/Cons	Bonus 0-3		
			GRAND TOTAL	<input type="text"/>

Dear Inventor,

Project #

Specific suggestion(s):