

Pacific School Invention Convention Judging Sheet

	Inventor	Grade	Invention	Scoring						Comment
				Originality	Inventing Process	Invention Effectiveness	Practicality of the Invention	Need for the Invention	Total	
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										

Scoring Guide:

10 = Excellent	8 = Very Good	6 = Good	4 = Fair	2 = Needs Improvement
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ORIGINALITY:

- How much creativity went into the invention?
- How challenging was the problem solved?
- Did the inventor develop a unique, unusual, or clever solution to the problem?

INVENTING PROCESS:

- How well did the inventor convey the steps taken to go from concept to invention and were the steps logical?
- Was the process well documented in the inventor's log book (Young children may use pictures or dictate information to someone)?
- Is there a clear explanation of the steps taken, including a description of the problem or goal, resources used, obstacles or failures, reasons for choice of materials, final design, and testing?
- Was credit given to those who helped?
- What did the inventor do to find out if her or his idea was unique? (This should yield an age-appropriate response: a young child might ask a number of people; an older child should explore catalogs, stores and related companies; a high school student might search the internet or even a patent database.)

INVENTION EFFECTIVENESS:

- Does the invention solve the problem that was selected?
- Does it do what it is supposed to?
- Does it work even better than expected? (Note that you may be looking at a scaled-down model due to space limitations.)
- Does it solve other problems, too?

PRACTICALITY OF THE INVENTION:

- What advantages and disadvantages does the invention have compared to existing objects or methods that might solve the same problem?
- Is the inventor knowledgeable about these alternative solutions?
- How much thought was given to safety, ease of use, and choice of materials?

NEED FOR THE INVENTION:

- How important is the problem solved by the invention?
- Who benefits from it, many, few, or only the inventor?
- Does it serve a disadvantaged group, like the handicapped, the elderly, or animals? Is the invention more or less friendly to the environment than currently available products?