GRADES K - 5
Judging Criteria
MAKER DIVISION
Engineering Invention

Project Title:_____

Sequence Number: _____

ACADEMY OF SCIENCE – ST. LOUIS SCIENCE FAIR
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Project Elements	Description of Criteria	Possible Score	Score
PRESENTATION & LOGBOOK Judging components under this heading can be in either the logbook and/or presentation.			
Title & Description	Title of project and overview of project	0-5	
Asking Questions & defining problems	Define the problem that you are trying to solve. Identify the need and constraints. Student considers: what do I want to design; who is it for; what do I want to accomplish; what are the project limitations and requirements; what is my goal.	0-5	
Research the problem	Research the problem. Student clearly defines why project is important or "how can I make this better." Student documents researching what products or solutions already exist, or what technologies might be adaptable for their solution. Shows evidence student understands project. Research is age-appropriate. Research can be interviews with knowledgeable adults as well as reliable internet sources and books.	0-10	
Imagine	Develop possible solutions. Student describes ideas for solution to the problem. Student describes "brainstorming" of possible ideas.	0-15	
Plan	Select one solution and make a plan to develop your project. Describe your plan.	0-10	
Create	Build a prototype. Describe (or show through photos) the design process. Student demonstrates an understanding of the subject matter or innovative/creative way of approaching their project. *(Note to student: Items that are valuable or valued by the student are not to be displayed – use photos/illustrations instead)*	0-20	
Test & evaluate prototype. Improve & redesign as needed	Test and evaluate prototype. Student describes testing process. Student explores possible improvements and redesign if time permits. If student does not have time for a redesign, should describe possible alternate ideas for success. Points will NOT be taken off for prototype failure as we encourage open-ended problem solving as students nurture their ability for creative innovative solutions.	0-15	
Safety Guidelines	Students should provide detailed descriptions on how they followed the safety guidelines in their logbook and/or presentation.	0-5	
Signed Safety Form	All projects are required to have a signed safety form uploaded with their project.	0-5	
	Total Possible Score	90	
		TOTAL SCORE:____	