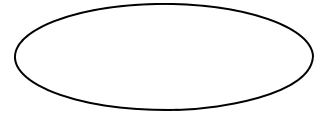


3-5 Judging Criteria

Engineering



Total Possible: 100

Row	Position	Sequence #	Judge Code
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Scientific Process	None 0	Below Expectations 2	Meets Expectations 4	Exceeds Expectations 5	Points
Problem	None	Problem lacks some clarity or no purpose stated	Clear purpose of project given	Exceeds expectations (explains the need for device)	
Hypothesis	None	It is unclear how the device will operate	Clearly explains how the device will operate	Exceeds expectations	
Procedure	None	Procedure is vague and would be difficult to repeat	Procedure is clear and project can be repeated after reading them	Exceeds expectations (very precise and well thought out)	
Trials/Samples	None	Device only tested 1-2 times	Device tested at least 3 times	Exceeds expectations (5+ tests)	
Data/Observations	None	Data table not labeled or unclear	Data/Observations are shown in titled/labeled table	Exceeds expectations (very thorough)	
Illustrations	None	Illustrations present but not labeled or detailed	Detailed labeled illustrations	Exceeds expectations (superior for age)	
Conclusion	None	Conclusion present but no hypothesis reference	Conclusion is clear and references hypothesis	Exceeds expectations (very thorough)	
Working Device	None	Device worked less than 1/2 the tests	Device worked more than 1/2 the tests	Exceeds expectations (100% success)	
Safety	None	Some minor additional safety precautions could have been taken	Project is completed in a safe manner with no possible safety violations	Great safety procedures and discusses them	

Scientific Process Total: _____

Logbook Score: _____

Logbook Contains....	20 Points
Diary of entire project	0 3 5
Drawings/Diagrams	0 3 5
Data/Observations	0 3 5
Background Information	0 3 5

Workmanship: _____

Project shows...	10 Points
Good Explanation of Project	0 3 5
Organized Visuals	0 3 5

Background _____

Project should...	15 Points
Offer an interesting Problem	0 3 5
Offer interesting visuals	0 3 5
Show idea is unique to student	0 3 5

Creativity/Excitement: _____

Project should show...	10 Points
Project was relevant to student?	0 3 5
Project had appropriate effort?	0 3 5