

# Engineering/Invention Rubric

Hawks Rise Elementary STEAM Fair

Standard	Beginning	Developing	Accomplished	Exemplary	Score
	0-1 Point	2 Points	3-4 Points	5 points	
<b>Ask</b>	Missing; does not address a problem.	Project identifies a stated problem.	Project identifies and addresses a stated problem.	Project identifies and addresses a unique and real problem. Shows insight.	
<b>Plan</b>	Missing	Little research shared that this process/product does not exist; plan with diagram and some steps.	Research sufficiently done with evidence that similar process/product does not exist; plan with diagram and steps evident.	Research carefully conducted and evidence provided that no similar process/product exists. Plan with multiple diagram views and detailed steps documented.	
<b>Create</b>	Missing	Product is poorly designed and/or constructed.	Product shows adequate attention to detail.	Product shows great attention to detail; student built and tests product.	
<b>Improve/ Results of Testing</b>	Missing; no attempt to promote product.	Evidence of only 1-2 trials.	Evidence of at least 3 trials, but no visual representation; some scientific skills and processes applied.	Evidence of a least 3 tests; testing presented in a visual format; excellent documentation. Evidence of hypothesizing, gathering and analyzing data, and drawing conclusions.	
<b>Advertisement</b>	Missing; no attempt to promote product.	Inventor/Engineer has made little attempt to promote product.	Inventor/Engineer has provided adequate advertisement.	Inventor/Engineer has effectively advertised and presented product with eye-catching and interesting presentation; product name, sales slogan/jingle.	
<b>Reflection</b>	Missing	Shows vague evidence of analysis and evaluation.	Shows some evidence of analysis and evaluation.	Complete with evaluation of the project; what was successful and what the student would do differently next time.	
<b>Visual Presentation</b>	Missing; illegible; messy; too incomplete to understand.	Some categories missing; unorganized (process does not flow).	All categories represented; well organized; correctly communicated intent; on stand alone backboard.	Project is visually appealing and neatly presented (written or typed); project is on backboard that stands by itself; grammar/spelling are appropriate for age.	
<b>Total (out of 35)</b>					