

ETS means Engineering Design Standards	Advanced 4	Mastery (Goal) 3	Approaching 2	Beginning 1
Statement of Problem 6-8-ETS1-1 I can design problem and specify criteria.	Science can answer question and is well stated.	Science can answer question	Science cannot answer question	Unreadable
Hypothesis 6-8-ETS1-1 I can design problem and specify criteria.	Hypothesis tell s what will be changed, measured, and happen	Includes two of the three requirements	Includes only one requirement	Unreadable
Variables 6-8-ETS1-1 I can design problem and specify criteria.	Includes 3 variables: independent, dependent, and constant	Variables are present, but unmeasurable or unclear	Includes two variables	Includes only one variable
Procedure 6-8-ETS1-4 I can develop models to repeat testing.	Detailed plan of experiment that changes a variable	Plan lacks some details, but could be repeated	Plan lacks so many details that would be hard to replicate	Plan makes no sense or is unworkable
Data Table 6-8-ETS1-3 I can analyze experiment data.	Three or more tests or trials changing the independent variable and measuring dependent variable	Three or more tests, but variables weren't changed	Only two test or trials	Only one test
Graphs 6-8-ETS1-3 I can analyze experiment data.	Graph is accurate and clearly labeled including a explanatory title	Graph has axis labels, but lacks explanatory title	Graph is missing axis labels	Graph is inaccurate
Conclusion 6-8-ETS1-2 I can evaluate design solutions.	Conclusion clearly states hypothesis and tells if it was supported or not	Conclusion has hypothesis and support information, but it is vaguely stated	Conclusion has no support information or doesn't make sense	Conclusion is missing hypothesis
Abstract 6-8-ETS1-2 I can evaluate design solutions.	Abstract states problem, hypothesis, brief procedure, and explains if hypothesis was supported or not	Abstract has three of four items	Abstract has two of four items	Abstract has only one item
Poster 6-8-ETS1-2 I can evaluate design solutions.	Poster has title, QR code, abstract, and graph of averages. It is neat and attractive	Poster has required items, but is not neatly done	Graph or abstract are missing	Graph and abstract are missing
Mechanics 6-8-WHST-4 I can produce clear and coherent writing	Writing is clear with correct grammar, spelling, and capitalization	Writing is mostly clear with very few errors	Writing is difficult to understand due to several errors	Writing is unreadable due to errors through out