

ENGINEERING DESIGN PROCESS Rubric

Judges Number _____

Project Title _____

Category _____ Project # _____

Engineering Design Process	Needs Improvement	Satisfactory	Good	Excellent	Superior
Problem addresses a real and specific need					
Research Present					
Requirements and materials specified					
Preliminary design evidence (more than one solution)					
Well-developed prototype					
Defined prototype testing					
Results: graphs, charts & journals with units					
Conclusion/Reflection (supported with data)					
Presentation	Needs Improvement	Satisfactory	Good	Excellent	Superior
Display: organized & attractive to audience					
Display: student uses notebook to discuss findings & data					
Oral Discussion Quality					
Time and Effort	Needs Improvement	Satisfactory	Good	Excellent	Superior
Thoroughness					
Effort					
Scoring					
Checks per column					
Multiply by	X 1	X 2	X 3	X 4	X 5
Totals	+	+	+	+	=
				Grand Total	

SCORING GUIDELINES

- Judges mark the appropriate column with a check.
- The check marks are tallied and the total is entered under "Checks per column".
- The check mark totals in each column are then multiplied by the specific factor (x1, x2, x3, x4, x5).
- The totals are recorded in the row marked "Totals".
- These individual "Totals" are then added together for the "Grand Total".