TEAM
Technology Education Association of Missouri
The Industrial, Engineering, and Technology Teachers of Missouri

Electronics Division

_____ **EL-3 Advanced Electronics / (PLTW) Project:**

This classification includes any projects involving discrete and/or integrated circuits related to timing, counting, calculating, controlling, or activation of instruments (computers, advanced scientific measurement instrumentation or other industrial electronic applications). Each entry must have a complete set of plans and/or schematics, an explanation of operation, and operating instructions.

Or

This classification includes any entry which involves components used in the Project Lead the Way Principles of Engineering course where the student must build a device out of fischertechnik parts to sort marbles of various colors accurately. The sorter must be built on a stable base as well as have the Robopro program printed out in place of project plans. The same guidelines as in the curriculum must be adhered to when it comes to the hopper, as it can't be made of fischertechnik parts.

Groups eligible to participate: N and P

Project Title_____

Entry Checklist:

_____ Partial Printout of Robo pro program included
_____ Explanation Of Operation included
_____ Operating Instructions included
_____ Technical Report

Scoring Rubric

Each project will be subject to this checklist with negative points deducted from 100.

Category:	- 4 or more	- 3	- 2	- 1	- 0	Neg. Pts.
Functional & Well Designed						
Quality Wiring and Connections						
Accuracy & Neatness in Program &/or Physical Assembly						
Sorter is solid & stable / Project adheres to codes & safety						
Complexity – Creativity - Originality	-3	-1	0	+1	+3	
Subtract Negative points from 100				Project Rating =		

Judges may subtract more than the -4 at there own discretion.

Entry Violation: ___ Missing information. ___ No Technical Report:____ (Total violation) _____

100-90 = I (blue) 89-80 = II (red) 79-60 = III (white)   Overall Project Score_____

- 2 or more pts. = shows effort, but more could have been done.

- 1 pt. = a very good effort - with minimal flaws or defects

- 0 pts. = Excellent effort - no mistakes or visible flaws

Group (N) - Novice or Amateur: a person who is new to the circumstances, work, etc., in which he or she is placed; beginner; tyro: a novice in the entry area. This entry area is for the 1st year the student has entered in this project area.

Group (P) - Practiced or Experienced: skilled or expert; proficient through practice or experience: a practiced hand at project. This entry area is for the student has entered in this project area more than once.

Student info / Project ID#. _____

School. _____

Instructor. _____