Engineering Judging Criteria

Delaware Valley Science Fairs

Fair _____ **Category** _____

Project Number:	**X**										
Research Problem: - description of a practical need or problem to be solved -definition of criteria for proposed solution -explanation of constraints	**10**										
Design and Methodology: -exploration of alternatives to answer need or problem -identification of a solution -development of a prototype/model	**20**										
Execution: Construction and Testing -prototype demonstrates intended design -prototype has been tested in multiple conditions/trials -prototype demonstrates engineering skill & completeness	**20**										
Creativity: -project demonstrates significant creativity in one or more of the above criteria	**15**										
Presentation: A Poster **10** pts -clarity of graphics and legends -supporting documentation displayed B Interview **25** pts –clear, concise, thoughtful responses to questions -understanding of basic science relevant to project -understanding interpretation & limitations of results & conclusions -degree of independence in conducting project -for TEAM projects –contributions to & understanding of project by all members	**35**										