Project Title:				Project #:	Category: EXPERIMENT
	_	Level (1, 2, 3, or 4) to Parts Ants will only see the feedback p		Name(s):	School:
EXPERIMENT: Undertake an investigation to test a scientific hypothesis using the experimental method. At least one independent variable is manipulated; other variables are controlled. PART A: SCIENTIFIC THOUGHT LEVEL 1 LEVEL 2 LEVEL 3 LEVEL 4 Replicates a known Extends a known Devises and executes an original Devises and carries out original				JUDGES FEEDBACK FOR STUDENTS Students will view this feedback after the fair. Please leave comments! What was done well:	
experiment to confirm previous findings.	experiment with modest improvements to the procedures, data gathering and possible applications.	experiment. Identifies the significant variables and attempts to control them. Analyzes the results using appropriate arithmetic, graphical or statistical methods.	experimental research in which most significant variables are identified and controlled. The data analysis is thorough and complete.		
The project design is simple with little evidence of student imagination. It can be found in books or magazines.	PART LEVEL 2 The project design is simple with some evidence of student imagination. It uses common resources or equipment. The topic is a current or common one.	B: ORIGINALITY & CREATIVITY LEVEL 3 This imaginative project makes creative use of available resources. It is well thought-out and some aspects are above average.	This highly original project demonstrates a novel approach. It shows resourcefulness and creativity in its design, use of equipment, construction and/or analysis.	Areas to Improve:	
-		ART C: COMMUNICATION on + project report with backgrou LEVEL 3 Most of the four elements are complete and demonstrate attention to detail and substance. The communication components are well thought out and executed. In a pairs project, both members made an equitable contribution to the presentation. PART C COMMUNICATION (1-4)	All elements are complete and exceed reasonable expectations of a student at this age/grade. The visual display is logical and self-explanatory. The exhibit is attractive and well laid out. Both project report and logbook are informative and written clearly; the bibliography extends beyond web-based articles. The oral presentation is clear, logical, and enthusiastic. In a pairs project, both members contributed equitably and effectively to the presentation.	Quick alerts: If this proje level of difficulty vs. y personal knowledge of background research application & synthes experimental design use of control group identification of varia choice of materials/of construction & design processes used care & precision of ol care & precision of ol analysis of data display of data sources of error attention to detail oral presentation visual presentation (lo	of subject on the topic is of information ables hemicals bservations ata recording