

Name _____

Grade _____ Location _____



General Requirements Evaluation*

Presentation Display		Descriptive Document (if present)	
Attractive, easy to read, and layout is in appropriate logical order	ND 1 – 2 – 3 – 4 – 5 NA	Organization is clear and complete without extraneous information.	ND 1 – 2 – 3 – 4 – 5 NA
Visual aids promote understanding	ND 1 – 2 – 3 – 4 – 5 NA	Spelling and grammar correct	ND 1 – 2 – 3 – 4 – 5 NA
Shows project in appropriate detail for understanding by audience	ND 1 – 2 – 3 – 4 – 5 NA	Visual aids promote understanding	ND 1 – 2 – 3 – 4 – 5 NA

Scientific Inquiry Category Evaluation**

Display and Documentation		General Process and Scientific Method	
Describes how/why the inquiry was formed and development of a hypothesis	ND 1 – 2 – 3 – 4 – 5 NA	The purpose or problem clearly explains what is going to be experimented	ND 1 – 2 – 3 – 4 – 5 NA
Investigation procedure is clearly explained.	ND 1 – 2 – 3 – 4 – 5 NA	Appropriate and complete research was conducted	ND 1 – 2 – 3 – 4 – 5 NA
Materials listed with units of measure (consistently), graphs, data tables etc. labeled correctly, data is summarized	ND 1 – 2 – 3 – 4 – 5 NA	Hypothesis shows a relationship between independent and dependent variables	ND 1 – 2 – 3 – 4 – 5 NA
Results/Summary of data is clearly stated and addresses ALL variables	ND 1 – 2 – 3 – 4 – 5 NA	Procedure description shows what observations will be made, what data will be collected, defines the number of trials, lists variables and control items	ND 1 – 2 – 3 – 4 – 5 NA
Other considerations specific to category		Procedure is sequential, replicable, provides a control and variables and was repeated for validity.	ND 1 – 2 – 3 – 4 – 5 NA
Peer/scientific Review	ND 1 – 2 – 3 – 4 – 5 NA	Qualitative (observations) and quantitative (recorded data) observations are used and recorded.	ND 1 – 2 – 3 – 4 – 5 NA
Understanding of how the inquiry relates to broader scientific principles and real world application.	ND 1 – 2 – 3 – 4 – 5 NA	Record of experiment includes observations, appropriate use of terms and measurement, analysis and reflections	ND 1 – 2 – 3 – 4 – 5 NA
The idea for investigation is original or innovative	ND 1 – 2 – 3 – 4 – 5 NA	Conclusion relates to the problem statement and incorporates results/the data supports or doesn't support the hypothesis, lists possible sources of error, and unresolved questions	ND 1 – 2 – 3 – 4 – 5 NA
The procedure, materials, trial length, etc. are innovative or creative in approach	ND 1 – 2 – 3 – 4 – 5 NA		
Offers advancement of understanding of scientific principles and/or the world around us	ND 1 – 2 – 3 – 4 – 5 NA		
Additional Notes and Comments			

Additional Items for Consideration

Safety Considerations	
Team/External Considerations	
Special Category Considerations	

ND: Not Demonstrated, 1: Beginning, 2: Developing, 3: Acceptable, 4: Accomplished, 5: Advanced, NA: Not Applicable