

Mastodon Art/Science Regional Fair

6th -12th Grade Science Scoring Rubric

Project Elements	Description of Criteria	Possible Score	Score	Judge's Comments
SCIENTIFIC PROCESS:				
Title & Description	Title of project and overview of project.	0-5		
Testable Question & Hypothesis	◆ Testable Question: Asks a specific, measurable, cause & effect question or clear purpose of project. ◆ Hypothesis: Expresses a reasonable prediction about how specific changes affect the expected outcome.	0-5		
Background	◆ History – highlights important people or discovery. ◆ Significance – explain importance of this project. ◆ Facts-tells what is known about the topic and explains major terms & definitions. ◆ Method-tells how this topic has been studied before (steps, equipment, measurement). ◆ Bibliography-Includes at least 3 sources.	0-10		
Trials	At least 3 trials are indicated.	0-5		
Procedure & Conditions	Describe process for experiment. Includes step-by-step process of experiment. Independent/dependent/control variables are discussed throughout. Variables are clearly defined (independent, controlled, dependent). May be worded as “What I changed,” “What I kept the same,” and “What I measured.” Includes when, where, and how of study. High score would indicate that the project can be repeated after reading.	0-15		
Data and Identification	◆ Use photos/illustrations/graphs to show experiment. ◆ All data should be clearly labeled and identify the experiment. ◆ Graphs should contain title, x and y axis labeled and intervals are equal. ◆ Demonstrates appropriate application of mathematical & statistical methods. ◆ High score shows data is clear, accurate, detailed, & the parts are well labeled. <i>(Note to student: Items that are valuable or valued by the student are not to be displayed – use photos/illustrations instead.)</i>	0-15		
Conclusion & Reflection	Reflects what the student has learned. Were there any surprises? What would you do differently or to continue the project? Includes statement answering problem and hypothesis.	0-10		
Skill	◆ No spelling errors? ◆ Clean presentation? ◆ Accurate information? ◆ Age appropriate?	0-10		
Logbook	High score indicates that student has written process, observations, & data in logbook during experiment. Clearly written with dates and comments.	0-15		
OVERALL CREATIVITY/INNOVATION/ENGAGEMENT:				
Creativity/Innovation/Engagement	Student demonstrates an understanding of the subject matter or innovative/creative way of approaching their project.	0-10		
Possible Total Score		0-100		
Total Score: _____				

Exhibit ID #: _____

Judge #: _____