SCIENCE FAIR PROJECT: EVALUATION RUBRIC

Oct-19

Name _____   Block _____

Project Title _____

Concerns (Areas that need work)	Criteria (Proficient standard for this performance)	Advanced (Evidence of exceeding standard)
	Questioning & Predicting Level _____ I can develop a: 1. testable, open-ended question that improves my skills & understanding of scientific concepts & 2. sensible hypothesis with my reasoning.	
	Planning (P&C) Level _____ I can design a safe & ethical method using appropriate resources to collect sufficient results that support my claim (e.g. establish relationship between dependent & independent variables). I can manage factors that affect reliability (e.g. control variables).	
	Conducting (P&C) Level _____ I can safely & correctly use materials to accurately & precisely collect results. I can clearly & accurately record & organize results (e.g. qualitative &/or quantitative data) related to my question: 1. with appropriate labels & SI units & 2. that can be visually represented (e.g. by graphing).	
	Processing & Analyzing Level _____ I can interpret, manipulate (e.g. perform calculations), &/or visually represent results. I can utilize results to infer connections &/or explain relationships (e.g. cause & effect) that are supported with my reasoning (e.g. explain connection to scientific concepts).	

	Evaluating Level: _____ I can identify deficiencies (e.g. uncontrolled variable) & modify my method to improve its reliability (e.g. overcome sources of error). I can design another method to verify validity of my results.	
	Applying & Innovating Level: _____ **(Innovation Project only)** I can apply knowledge, concept, or skill to specified issue. I can devise effective strategies with appropriate sequence to problem solve (e.g. develop, test, & improve prototype)	
	Communicating Level: _____ I can create a display & presentation with: 1. descriptions & explanations that are comprehensive, concise, & clear (e.g. has appropriate scientific vocabulary for my audience) & 2. logical layout, sequence, & flow. I can provide sources for all relevant information.	