

Natural Sciences Senior Project (Scientific/Data portion) - Evaluation Rubric		Final Score: _____ of 900 maximum		
Presenter: _____		Title/Topic: _____		
Evaluator: _____		Date: _____		Revised 11/16/10
	Superior (A or 90-100)	Satisfactory (B or 80-90)	Barely adequate (C-D or 60-80)	Unacceptable (F or 0-60)
Identification of Problem Score: _____ Grading: score multiplier = 1	Formulates a compelling question with a plan for inquiry that details the skills, knowledge, people, tools, and other resources from two or more disciplinary perspectives.	Formulates a question with a plan for inquiry that details the skills, knowledge, people, tools, and other resources needed to answer the question.	Formulates a question with a plan for inquiry that identifies skills, knowledge, people, tools, or other resources associated with the solution.	Meerly poses a question for inquiry, or doesn't even pose question.
Progress toward objective Score: _____ Grading: score multiplier = 1	Made significant progress and met most or all objectives.	Made substantial progress and met most objectives (or revised objectives).	Inadequate progress or minimal objectives met.	Little progress, or few objectives met, and no plan for alternatives.
Data Collection Score: _____ Grading: score multiplier = 1	Data across a variety of disciplines is synthesized in written or graphic form using appropriate technical terms appropriate to the field.	Data is represented in written or graphic form using appropriate technical terms appropriate to the field.	Data is represented in written or graphic form using technical terms.	Data is poorly represented in written or graphic form.
Validity of Data Score: _____ Grading: score multiplier = 1	Information across a variety of disciplines is current and accurate and differentiated by fact, bias, opinion, or generalization.	Information is current and accurate and differentiated by fact, bias, opinion, or generalization.	Information is current and recognized as fact, opinion, or generalization.	Information is recognized as fact, opinion, or generalization.
Experimental / Procedure Score: _____ Grading: score multiplier = 2	Procedure is described in appropriate detail. Deviations from standard procedure and possible pitfalls are described. Precise nomenclature is used in describing apparatus, reagents, products, and operations, with figures where appropriate (computer-drawn?).	Minor omissions from procedure or deviations from procedure. Minor errors in nomenclature.	Significant omissions from procedure or deviations from procedure. Minor errors in nomenclature. Figures present but poorly executed or hand-drawn.	Major omissions from procedures used. Apparatus, reagents, products, and operations are described vaguely or using incorrect nomenclature. Necessary figures are omitted.
Conclusions/ applications Score: _____ Grading: score multiplier = 2	Draws accurate, relevant conclusions from research or data analysis and uses the information to justify and applies them in a sophisticated manner.	Draws accurate conclusions that are relevant to the project from research or data analysis AND uses the information appropriately in planning and carrying out activities.	Draws some conclusions that are accurate or relevant to the project and/or uses some of the information appropriately in planning and carrying out activities.	Attempts to draw conclusions from research or data analysis but they are inaccurate or irrelevant to the project.
Justify and support decisions, strategies, findings and solutions Score: _____ Grading: score multiplier = 1	Explanation used to justify and explain decisions, strategies, findings and/or solutions is complete and is supported by evidence gathered while completing the project in a sophisticated manner.	Explanation used to justify and explain decisions, strategies, findings and/or solutions is complete and is supported by evidence gathered while completing the project.	Explanation used to justify and explain decisions, strategies, findings and/or solutions is not connected to the information gathered while completing the project OR is incomplete.	Explanation used to justify and explain decisions, strategies, findings and/or solutions is not relevant to the project.
Rev Date - 04/20/11				