Student Name	Project Title	Teacher	Date

Research Plan Rubric (Science Teacher)

Research Plan	Accomplished No deficiencies		Needs Improvement Considerable revision required
Plan addresses all safety concerns prior to any experimentation	All safety concerns must be addressed and methodology must receive approval prior to any data collection. Prior approval from the Scientific Review Committee (see Dr. Lawrence in A218) may also be required.		
Plan addresses all ethical concerns prior to any experimentation	Plan appropriately addresses all ethical concerns, including, but not limited to: objective accurate and truthful reporting of data, treatment of all human and animal participants with proper dignity respect and confidentiality. Plan must receive approval prior to any data collection. Prior approval from the Scientific Review Committee (see Dr. Lawrence in A218) may also be required.		
Scientific question or problem is stated clearly, has a practical application, and builds upon related research	Scientific question or problem is stated clearly, has a practical application, and builds upon related research		Unclear problem or question with no practical application or relation to relevant research
Independent and dependent variables are clearly established and operationally defined, and controls are identified and utilized correctly	Independent and dependent variables are clearly established and operationally defined, and controls are identified and utilized correctly		Independent and dependent variables are not clearly established, operationally defined, and/or controls are not identified or utilized correctly
Appropriate methodology, sampling techniques, and equipment are used to test the stated hypothesis	Appropriate methodology, sampling techniques, and equipment are used to test the stated hypothesis		Inappropriate methodology, sampling techniques, and equipment are used to test the stated hypothesis
Proposed data analysis techniques data presentation are appropriate to the stated hypothesis and include descriptive and/or inferential statistics	Proposed data analysis techniques data presentation are appropriate to the stated hypothesis and include descriptive and/or inferential statistics		Proposed data analysis techniques data presentation are inappropriate to the stated hypothesis and fail to include descriptive and/or inferential statistics

Notes: