

SCIENCE FAIR EVALUATION

DEADLINE	Superior	Acceptable	Unacceptable
Research Plan January 10, 2011	Scientifically correct hypothesis Parent signature Early	Clearly written hypothesis Parent signature On time	Poorly written hypothesis No signature More than one day late
Experimental Design & Complete Procedure January 31, 2011.	Hypothesis supported by scientific principle Variables identified correctly Controls listed completely Experimental groups identified Number of trials listed Controls clear Variables measured with instrument Experimentation time/trials greater Five or more experimental groups Experiment answers purpose well Above grade level difficulty Sources documented correctly Parent signature Early	Hypothesis supported by scientific principle Variables identified  Controls listed  Experimental groups identified Trials identified  Some controls Variables measured manually Experimentation time/trials appropriate Three experimental groups Experiment answers purpose adequately At grade level difficulty Sources documented  Parent signature On time	Hypothesis illogical Non scientific Variables identified incorrectly Controls missing  No experimental groups identified No trials identified  Controls missing Measurements missing  Experimentation time/trials inappropriate One experimental group  Experiment does not answer purpose Below grade level difficulty No sources documented  No parent signature More than one day late

Experimentation complete March 7, 2011	Data Collected Equipment returned	Data Collected Equipment returned	Data incomplete Equipment outstanding
Data Checked March 7, 2011	Quantitative data logged & organized Qualitative data logged & organized Correct SI Units Instrument measurement Early	Quantitative data logged Qualitative data logged Correct Units Manual measurement On time	Quantitative data missing Qualitative data missing Missing units Wrong instrument used More than one day late
Title Card March 11, 2011	Early Title unchanged	On time Title unchanged	After April 8 Title changes
Results March 14, 2011	Multiple graphs Relates to scientific principle Graph is vital to data clarity Graph includes units Color enhances graph Advanced statistical calculations Early	Single graph Scientific in nature Expresses data clearly Graph includes units Graph contains color Minor calculations On time	No graph Not scientific Does not match data Graph missing units Graph missing color No calculations More than one day late
Conclusion March 17, 2011	Matches hypothesis Comes from data Scientifically correct Errors identified Application linked to future experimentation Early	Matches hypothesis Comes from data Scientifically correct Application made On time	Does not match hypothesis Does not match data Scientifically incorrect Errors ignored Application missing or weak More than one day late

Documentation March 17, 2011	Include the following Title page creative Outline page advanced Research thorough Parenthetical References Purpose identified Hypothesis Procedure complete Data table Results Conclusion Application Works cited page	Include the following Title page Outline page Research References Purpose Hypothesis Procedure Data table Results Conclusion Application Works cited page	Missing the following Title page Outline page Research References Purpose Hypothesis Procedure Data table Results Conclusion Application Works cited page
Display March 21, 2011	Creative display Self supporting Clear to read Creative color use	Typical Display Self supporting Clear to read Color is used	Handwriting Needs support Difficult read Limited use of color
SET UP display/object March 21, 2011	Set up during class More than required elements	Set up by 3:30 pm Required elements	Not set up by 3:30 pm Missing elements
Project picked up March 22, 2011	Project out of gym by 3:30 pm	Project out of gym by 3:30 pm	Project in gym at 3:30 pm Items left behind