

SCIENCE FAIR EVALUATION

DEADLINE	Superior	Acceptable	Unacceptable
Possible topics October 25, 2010	List of 10 Scientific in nature Parent signature Early	List of 8 Ordinary ideas Parent signature On time	Less than 7 in list Incomplete topics No signature More than one day late
Research Plan November 1, 2010	Scientifically correct hypothesis Parent signature Early	Clearly written hypothesis Parent signature On time	Poorly written hypothesis No signature More than one day late
Research paper December 6, 2010	Over 5 sources Parenthetical references Hypothesis supported by scientific principle Parent signature Sources documented Early	3 or 4 sources Parenthetical references List of scientific facts Parent signature Sources documented On time	less than 3 sources No references No science support No signature No documentation More than one day late
Experimental Design January 14, 2011	Hypothesis supported by scientific principle Variables identified correctly Controls listed completely Experimental groups identified Number of trials listed Parent signature Early	Hypothesis supported by scientific principle Variables identified Controls listed Experimental groups identified Trials identified Parent signature On time	Hypothesis illogical Non scientific Variables identified incorrectly Controls missing No experimental groups identified No trials identified No parent signature More than one day late

Complete procedure February 4, 2011.	Controls clear Variables measured with instrument Experimentation time/trials greater Five or more experimental groups Experiment answers purpose well Above grade level difficulty Parent signature Sources documented correctly Early	Some controls Variables measured manually Experimentation time/trials appropriate Three experimental groups Experiment answers purpose adequately At grade level difficulty Parent signature Sources documented On time	Controls missing Measurements missing Experimentation time/trials inappropriate One experimental group Experiment does not answer purpose Below grade level difficulty No parent signature No sources documented More than one day late
Teacher on call	Attend with questions on procedure January	Attend without questions February	Must be invited more than once March or later
Title Card March 11, 2011	Early Title unchanged	On time Title unchanged	After April 7 Title changes
Data Checked March 17, 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

<p>Presentation</p>	<p>Prepared presentation Included required elements Within time limit</p>	<p>Gave presentation Included required elements Within time limit</p>	<p>Not prepared Missing required elements Break time requirement</p>
<p>Results March 17, 2011</p>	<p>Multiple graphs Relates to scientific principle Graph is vital to data clarity Graph includes units Color enhances graph Advanced statistical calculations Early</p>	<p>Single graph Scientific in nature Expresses data clearly Graph includes units Graph contains color Minor calculations On time</p>	<p>No graph Not scientific Does not match data Graph missing units Graph missing color No calculations More than one day late</p>
<p>Conclusion March 17, 2011</p>	<p>Matches hypothesis Comes from data Scientifically correct Errors identified Application linked to future experimentation Early</p>	<p>Matches hypothesis Comes from data Scientifically correct Application made On time</p>	<p>Does not match hypothesis Does not match data Scientifically incorrect Errors ignored Application missing or weak More than one day late</p>

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