



# Experiment 4-12

PROJECT #: \_\_\_\_\_

ENTRANT(S): \_\_\_\_\_

PROJECT TITLE: \_\_\_\_\_

**Experiment:** An investigation undertaken to test a specific hypothesis.

**TOTAL MARK**

<b>Originality</b>		<b>Circle one</b>	<b>Oral Presentation</b>		<b>Circle one</b>
Poor	Known procedure- results predictable (could find the procedure or outcome in a basic text)	4	Poor	Poorly organized and not clear	1
Fair	Know procedure with modification (basic idea but not outcome could be found in basic text, e.g. product testing)	7	Good	Organized and clear	3
Good	Some original aspect (for school level –not found in basic text but could be found in literature); some scientific contribution	10	Excellent	Well organized, clear and enthusiastic	4
Excellent	Significant original aspect (result could not be found easily in literature); significant scientific contribution	13			
<b>Analysis</b>			<b>Depth of Understanding</b>		
Poor	Raw data – no analysis	0	Poor	Poor response to relevant background questions	0
Fair	Minimal data analysis	4	Fair	Fair responses to relevant background questions	4
Good	Simple analysis (average, graphs, tables)	8	Good	Good response to relevant background questions	6
Excellent	Detailed analysis (averages, graphs, tables, statistics)	13	Excellent	Excellent response to relevant background questions	13
<b>Variables</b>			<b>Complexity</b>		
Poor	Some significant variables not controlled	0	Poor	Very simple, considering only one aspect of a problem	4
Fair	Some variables not controlled	4	Fair	More complex, considering at least two aspects of a problem	7
Good	Most variables controlled	8	Good	Considering at least three aspects of a problem	10
Excellent	All possible variables controlled	13	Excellent	Quite complex considering four or more aspects of a problem	13
<b>Sample size</b>			<b>Project Summary</b>		
Poor	Inadequate to address problem	0	Poor	Poorly organized, confusing	2
Fair	Barely adequate to address problem	4	Good	Organized, understandable	5
Good	Adequate to address problem	8	Excellent	Well organized, clear, good grammar and spelling	8
Excellent	Quite adequate to address problem	13			
<b>Log Book, Notes or Printouts</b>			<b>Backboard</b>		
Poor	None	0	Poor	Hard to read and understand	1
Fair	Barely adequate	2			
Good	Adequate	4	Good	Easy to read and understand	4
Excellent	Quite adequate	6			