

# How Projects Will Be Judged

## S C I E N C E F A I R

### Display (Board or Multimedia Presentation)

- The scientific question/purpose is clearly displayed, discussed, and relevant.
- The hypothesis is clearly displayed, stated in a way that is testable through experimentation, research-based, and relevant to the experiment.
- One control and multiple variables are correctly identified and addressed, as well as clearly and accurately displayed.
- Materials and data-collecting tools are evident and neatly presented.
- Steps in the scientific experiment/procedure are explained, followed through experimentation, and adapted as necessary. Multiple trials were carried out. Any inconsistencies or unusual findings are investigated and addressed.
- Results were attained through the stated procedure. Data has been collected, measured, graphed, and neatly displayed.
- The conclusion answers the scientific question. It is logical, thorough, based on collected data, and neatly displayed.
- The board or multimedia presentation is neat, attractive, and free of errors. Evidence that the student completed the project is present (handwritten observations, photos, etc.)

### Presentation

- The student can explain how steps in scientific experimentation were used and followed, as well as how the results and conclusion were achieved. He/she can explain research and answer questions about the project.
- The student has good eye contact and posture. He/she speaks loudly, clearly, and fluently about the project. Excitement about the project is evident.

### Research


- The student has researched topics related to the project, as well as results of similar experiments. Research is displayed with project.
- The student has collected and displayed relevant data.

### Originality

- The student can explain how the project was changed, as well as any adaptations that were made. Additional points will be given for new or original ideas.
- The student has taken initiative to expand exploration or tell what could be done differently next time.

## Lake Central Science Fair

<b>A scientific question/purpose is. . .</b>	<b>Well done</b>	<b>Incorrect/Lacking</b>	<b>Not present</b>
evident	1	.5	0
clearly displayed on the board	1	.5	0
discussed	1	.5	0
relevant to the project	1	.5	0
<b>Total</b>	<b>Maximum Points 4</b>		
<b>Hypothesis is. . .</b>			
evident	2	1	0
clearly displayed on the board	1	.5	0
stated in a way that is testable through experimentation	2	1	0
relevant to the experiment	1	.5	0
based on research	2	1	0
<b>Total</b>	<b>Maximum Points 8</b>		
<b>Controls/Variables are. . .</b>			
evident	1	.5	0
correctly identified and addressed	3	1.5	0
clearly and accurately displayed on the board	1	.5	0
<b>Total</b>	<b>Maximum Points 5</b>		
<b>Materials are. . .</b>			
evident	1	.5	0
data collecting tools identified	1	.5	0
listed /neatly presented	1	.5	0
<b>Total</b>	<b>Maximum Points 3</b>		
<b>Procedure. . .</b>			
steps are explained and followed	2	1	0
steps are repeated for multiple trials	3	1.5	0
<b>Total</b>	<b>Maximum Points 5</b>		
<b>Total for Page One</b>	<b>Maximum Points 25</b>		

<b>Results. . .</b>										
are present								Well done	Incorrect/Lacking	Not present
were attained through the stated procedure								1	.5	0
data has been graphed and/or charted								1	.5	0
data collection is neatly displayed								1	.5	0
data has been collected and measured								1	.5	0
<b>Total</b>	<b>Maximum Points 5</b>									
<b>Conclusion . . .</b>										
is logical								1	.5	0
is thorough								1	.5	0
is based on data collection results								1	.5	0
is properly related to the hypothesis								1	.5	0
is evident and neatly displayed								1	.5	0
<b>Total</b>	<b>Maximum Points 5</b>									
										
<b>Understanding of experiment: Student can orally explain project.</b>										
Student can . . .	Excellent	Very Well	Well	Fair	Poor	Unable to explain				
explain how the scientific method was used	5	4	3	2	1	0				
explain how the scientific method was followed in the procedure	5	4	3	2	1	0				
explain how the results were achieved	5	4	3	2	1	0				
explain how the conclusion was achieved	5	4	3	2	1	0				
explain the research about the topic	5	4	3	2	1	0				
answer questions based on the project	5	4	3	2	1	0				
<b>Total</b>	<b>Maximum Points 30</b>									
<b>Total for Page Two</b>	<b>Maximum Points 40</b>									

	Outstanding	Fair	Poor
<b>Presentation: Student can present project with confidence.</b>			
maintains eye contact	2	1	0
stands with good posture	2	1	0
voice is easily heard	2	1	0
speaks with ease and fluency about the project	2	1	0
excitement about project is evident in presentation	2	1	0
<b>Total</b>	<b>Maximum Points 10</b>		
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<b>Quality: Project . . .</b>			
is visually attractive	2	1	0
is presented an interesting manner thru the display	2	1	0
includes correct spelling for written sections	2	1	0
display is neatly arranged	2	1	0
shows evidence of student's own work	2	1	0
<b>Total</b>	<b>Maximum Points 10</b>		
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<b>Originality: Student showed interest and involvement that extended above and beyond science project.</b>			
<b>Student . . .</b>	Well done	Incorrect/Lacking	Not present
can explain how experiment was chosen	1	.5	0
used a creative or original idea in investigating their project	1	.5	0
took initiative to expand exploration into the topic and can explain what would be done differently next time.	1	.5	0
displays excitement about the project and can provide an interesting fact or favorite part of the experiment.	1	.5	0
Topic for the project is a new or original idea	1	.5	0
<b>Total</b>	<b>Maximum Points 5</b>		
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<b>Total for Page Three</b>	<b>Maximum Points 25</b>		

<b>Research: Student has materials to support evidence of data collection throughout experiment.</b>	<b>Well done</b>	<b>Incorrect/Lacking</b>	<b>Not present</b>	
<b>Evidence of data collection . . .</b>				
is present	1	.5	0	
is thorough and well organized	2	1	0	
is relevant to the project	2	1	0	
<b>Total</b>	<b>Maximum Points</b>			<b>5</b>
<b>Research . . .</b>				
is present	1	.5	0	
is thorough and well organized	2	1	0	
is relevant to the project	2	1	0	
<b>Total</b>	<b>Maximum Points</b>			<b>5</b>
<b>Total for Page Four</b>	<b>Maximum Points</b>			<b>10</b>

Additional comments about the project/suggestions for improvement:

<b>Total for Page One</b>	<b>Maximum Points</b>	<b>25</b>	
<b>Total for Page Two</b>	<b>Maximum Points</b>	<b>40</b>	
<b>Total for Page Three</b>	<b>Maximum Points</b>	<b>25</b>	
<b>Total for Page Four</b>	<b>Maximum Points</b>	<b>10</b>	
<b>Total Points</b>		<b>100</b>	

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Judge's signature

(Please remember to initial the student's table label.)

SAMPLE