Science Fair Project Rubric

Due:	

Name(s):		Topic:	
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	Science Fair Poster	
Project Title	Title and student name are clearly displayed	/5
Question/Purpose	 What do you want to find out? What problem will you solve? 	/10
Hypothesis	What do you think will happen? Make an educated guess about your question. "I predict because"	/10
Materials	What will you need to complete the experiment?	/5
Experiment	 Step-by-step procedure you followed to complete the experiment. At least 5 clear steps in the experiment At least 3 pictures showing the main steps in your experiment 	/20
Data and Graphics	 Show your data and pictures from your experiment. What did you observe? What data did you collect? At least 1 chart, graph, or picture to display results 	/10
Results	 What did you learn from your work? Explain your data. 	/10
Conclusion	Was your hypothesis right or wrong?How do you know?	/10
Evaluation	 What went well? What would you change if you did the experiment again? 	/10
Grammar/ Mechanics	 There are no grammatical or mechanical errors. Writing is easy to understand. 	/10
	Total:	/100

	Science Fair Oral Report	
	Nonverbal skills:	
Eye Contact	Student makes eye contact with the audience frequently. Does not stare at the poster or paper for more than 3 seconds at a time.	/5
Body Language	Students use their body language to help communicate their ideas and presentation to the audience. Ex: Arms are not folded, presenter faces the audience	/5
	Verbal Skills:	I
Enthusiasm	Student seems to enjoy speaking about their topic. They demonstrate a positive feeling towards their topic.	/5
Elocution	Voice is clear, easy to understand. Student does not mumble. Voice is loud enough for the whole audience to hear.	/5
	Content:	
Knowledge of topic	Oral presentation shows the student is knowledgeable about the topic	/5
Organization	Presents information in a logical way that is easy to follow and understand.	/5
	Total	/30

Ideas for Science Fair Posters



<u>Problem/ Purpose</u> State the problem you meant to solve.

> Hypothesis State your hypothesis.

Procedures
Explain the
experiments you did.
What? How? Why?

Project Title

by Your Name

Data & Graphics



Display your data and pictures in this area.

Graphics are very effective for explaining results.

Results

What did you learn from your work? Explain your data.

Conclusions

Was your hypothesis right or wrong? Can you make a new one?

Recommendations

From what you learned, would you try anything new?

Purpose

To determine if temperature affects how long bubbles last before they pop.

Hypothesis

Bubble lifespan is not affected by temperature

Materials

Identical clear jars Bubble solution Measuring spoons Thermometer Stopwatch

Procedure

- Use your thermometer to find locations that are different temperatures from each other.
- Label each jar with the temperature of the location it will be placed.
- 3. Add identical amounts of bubble solution to each iar.
- Place the jars at the different temperatures.
 Wait 15 minutes for the temperature to equalize.
- equalize.

 6. Shake each jar and record the time it takes for the hubbles to all pop.
- for the bubbles to all pop. 7. Repeat three times.

Bubble Life and Temperature

Cy N Student

Sometown Middle School



References

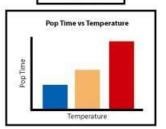
Bubble Life & Temperature

Anne Helmenstine About Chemistry http://chemistry.about.com

Data

Temperature	40	75	120
Time to Pop			
Trial 1	50	36	22
Trial 2	55	32	17
Trial 3	60	28	21
Average	55	32	20

Results



Conclusions

Bubble lifespan is affected by temperature. Data indicates cold bubbles pop faster than warmer bubbles.

