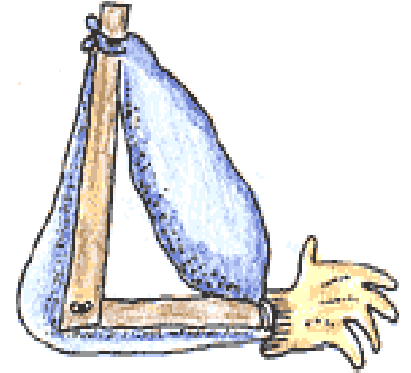


## CRITERIA FOR A WORKING MODEL

1. Your model will start with a **PURPOSE** of demonstrating a scientific principle.
2. Your model will show the parts or structure of something, and it must be a **WORKING MODEL** and demonstrate how something works.
3. You will need to be creative and resourceful in figuring out how to make the model yourself.  
You may not use store bought kits.
4. You will create a **TRIFOLD** display board that includes the following:



### **The name of your model**

### **Your name, room number, and grade**

**Scientific Purpose:** Explain why you made this model and what scientific principle you are trying to show

**Materials:** List all the materials you used.

**Procedure:** List the steps taken to make your model.

**Results:** Explain in detail how your model works and what scientific principle it shows. Add a diagram with all the parts labeled.

**Conclusion:** Write a detailed paragraph explaining what you learned from making this model and from conducting your research.

**Adult Assistance:** Clearly explain what part of the model needed adult assistance.

**References:** Cite the sources you used to gather information: internet, books, magazines, newspapers, interview of a knowledgeable person, etc.

## Vintage Magnet Science Fair

### Scoring Rubric for Working Models

Criteria for Oral Explanation:				
	4	3	2	<b>Total Points</b>
1. Knowledge about the model:	<ul style="list-style-type: none"> <li>• Is able to clearly explain the model's purpose.</li> <li>• Demonstrates extensive knowledge; knowledge reflects research done on the topic.</li> </ul>	<ul style="list-style-type: none"> <li>• Good understanding of the model's purpose and how it works.</li> <li>• Demonstrates knowledge of the topic.</li> </ul>	<ul style="list-style-type: none"> <li>• Is unclear about how the model works or its purpose.</li> <li>• Demonstrates minimal understanding. Has not done enough research to be knowledgeable on the topic.</li> </ul>	±  8 Points
2. Explanation of procedure:	<ul style="list-style-type: none"> <li>• Is able to describe every detail of model construction, testing, and modifications.</li> <li>• Gives credit for any adult assistance used during construction, but student clearly did the bulk of the work.</li> </ul>	<ul style="list-style-type: none"> <li>• Is able to describe most of the details of the construction, testing, and modifications.</li> <li>• Somewhat acknowledges adult assistance given. Adult did some work that should have been done by the student.</li> </ul>	<ul style="list-style-type: none"> <li>• Has difficulty explaining the construction process or purpose of the model.</li> <li>• Does not acknowledge help given, or adult did the bulk of the work.</li> </ul>	±  8 Points
Criteria for Model:				
1. Working Model	<ul style="list-style-type: none"> <li>• Working model is homemade and not from a store bought kit. Model reflects a high degree of effort and attention to detail.</li> </ul>	<ul style="list-style-type: none"> <li>• Working model is homemade.</li> </ul>	<ul style="list-style-type: none"> <li>• Working model was made from a store bought kit or shows a lack of effort.</li> </ul>	±  4 Points

Criteria for Trifold:				
1. Trifold: (Work may be typed or hand written)	<ul style="list-style-type: none"> <li>• Every component listed in the criteria chart is on the trifold.</li> </ul>	<ul style="list-style-type: none"> <li>• Most of the components listed in the criteria chart are on the trifold.</li> </ul>	<ul style="list-style-type: none"> <li>• Few of the components listed in the criteria chart are on the trifold.</li> </ul>	±  8 Points
	(Title, Student I.D., Scientific Purpose, Materials, Procedure, Results, Conclusion, Adult Assistance, References)  <ul style="list-style-type: none"> <li>• The work is neat, well organized, and complete.</li> </ul>	<ul style="list-style-type: none"> <li>• The trifold has some organizational issues or lacks some attention to detail.</li> </ul>	<ul style="list-style-type: none"> <li>• The work is poorly executed, or the trifold is missing.</li> </ul>	
				<b>Total Possible Points: 28</b>

Total points earned: \_\_\_\_\_

Note:

- In order to advance to the Science Fair Finals, the project must receive 25 points or above. Projects that receive a score of 2 in any subsection will be disqualified from advancing to the Science Fair Finals.

Does this project qualify to enter Vintage Science Fair Finals?       Yes       No

Teacher Signature: \_\_\_\_\_