

Scientific Instrument

Making a scientific instrument is a good way to learn about how a particular instrument works and the scientific principles that it demonstrates.

1. Choose a scientific instrument you would like to make that can actually work.
2. Discuss our choice with your science teacher for approval.
3. Research your instrument to learn more about it. Consult at least 2 sources.
4. Build your instrument. Make sure that it works. Label important parts.
5. Use your instrument to collect data or make an observation.
6. Write a 1-2 page paper describing the history of your instrument, how you made it, and how it works supported by your data/observations. Include a bibliography.
7. Create a display which includes your instrument and your paper.
8. Discuss and demonstrate your instrument with the judges.

<i>Instrument</i>	<i>Points Possible</i>	<i>Points Received</i>
Performs function if was designed to perform (Does it work)	30	
Labeled with necessary or useful information (units, instructions, parts)	30	
Constructed from basic materials	30	
<i>Presentation</i>		
Describes process used to make the instruments	15	
Explains how the instrument works and demonstrates	15	
Discusses the history of how the instrument was made	10	
<i>Paper</i>		
Describes how the instrument was made	20	
Describes how the instrument works	20	
Discusses history of the instrument	10	
Bibliography	20	
<i>Total</i>	200	

Student Name(s): _____ / _____