

## Sample STEM Fair Interview Questions

### Overall Appearance

1. Who helped you with your project?
2. What was your favorite part of the science project process?
3. How did you decide how to organize your information on the display board?
4. How long did it take for you to complete the project?

### Question

1. How did you decide on the question that you wanted to investigate?
2. Is this topic something that you've always been interested in finding out more about?
3. Did your question allow you to complete an investigation to gather data?

### Prediction

1. What did you predict the outcome of your investigation would be?
2. What resources did you use to gather information about your project before you started your investigation?
3. When you finished gathering information from your resources, did you have to adjust your hypothesis at all?

### Materials/Procedures

#### Written Procedure

1. Have you listed the exact amount of each material used so that someone else could complete your investigation? Did you use metric or customary units?
2. Have you listed the procedure in an organized, step-by-step order?
3. Why do you think it's important to have the procedure listed in a step-by-step order?

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Materials/Procedures  
Experimental Design

1. How many times did you repeat your investigation?
2. Why do you think it's important to repeat an investigation more than once?
3. What was the independent variable in your investigation? What was the dependent variable?
4. How were you able to control all the variables except the one you were changing?
5. If you were to complete this investigation 3 more times, what would you think would be the outcome of the investigation?

Results and Graphic Representation

1. How did you decide which kind of graph to use to display your data?
2. Could you have used a different type of graph to show the results of your investigation?
3. Have you included and labeled all of the necessary parts of your graph?
4. Does the information on your graph accurately show the information you collected?

Results: Written Explanation

1. How does your chart/graph show the results of your investigation trials?
2. Have you included information from all of the trials or did you graph the mean of the sets of data?
3. Does the information in your written explanation reflect the results of your investigation trials?

Conclusion

1. Did your investigation have the results that you predicted?
2. Does your conclusion state if your hypothesis was supported or not supported?
3. What did you learn as a result of completing the investigations for this STEM fair project?

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Interview: Understanding

1. If you had to do this STEM fair project again, what would you have done differently?
2. What suggestions would you give to someone who was interested in completing your investigation?

Interview: Application

1. How would what you learned in this investigation be useful in solving a real problem?
2. Can you think of an occupation that would benefit from the information that you gained as a result of this investigation?
3. As you were completing your investigation, did you think of other questions that you would like to find answers to in future investigations?