

# Science Fair Board Sample

Tell the reasons you are conducting this experiment. What do you want to learn?

What is your scientific question? (Ex. Why does, How does, Will this...)

What do you think will happen when you run the experiment? What do you predict?

Be sure to list everything you have used to help you complete the experiment.

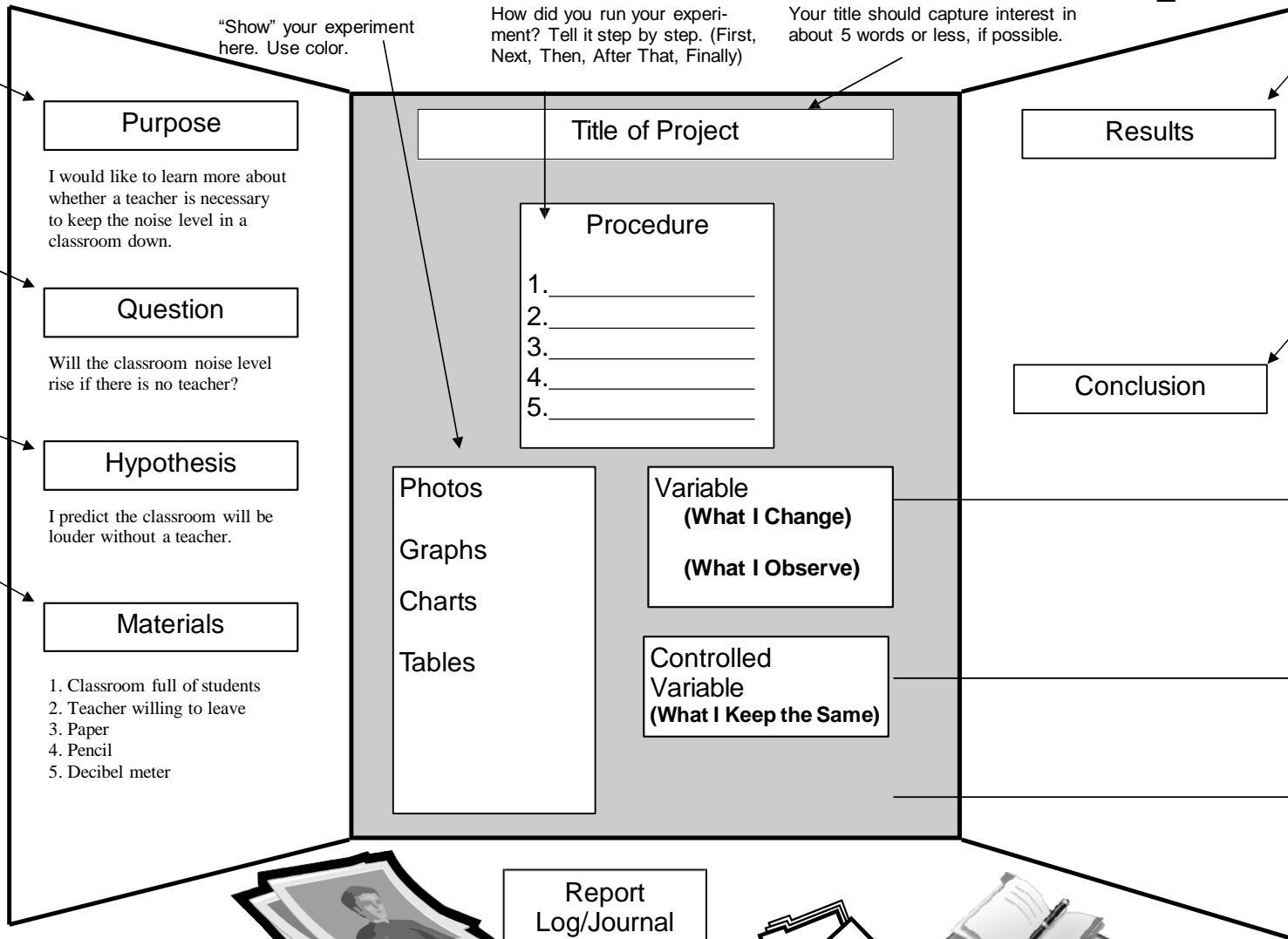
The list should include everything another person would need to conduct your experiment if they wanted to do it on their own.

"Show" your experiment here. Use color.

How did you run your experiment? Tell it step by step. (First, Next, Then, After That, Finally)

Your title should capture interest in about 5 words or less, if possible.

Tell/Describe the exact outcome. Use data to support statements.



**Purpose**

I would like to learn more about whether a teacher is necessary to keep the noise level in a classroom down.

**Question**

Will the classroom noise level rise if there is no teacher?

**Hypothesis**

I predict the classroom will be louder without a teacher.

**Materials**

1. Classroom full of students
2. Teacher willing to leave
3. Paper
4. Pencil
5. Decibel meter

**Title of Project**

**Procedure**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

Photos  
Graphs  
Charts  
Tables

**Variable  
(What I Change)  
(What I Observe)**

**Controlled  
Variable  
(What I Keep the Same)**

**Results**

**Conclusion**

Summarize your results, tell if the results support or challenge your hypothesis, what was the relationship between the dependent and independent variables, judge your procedure, and suggest changes you would make next time.

Something that is changed by the scientist. (If you are measuring whether a class is noisier with or without a teacher, the teacher leaving the room is the variable that is being changed.) Independent variables are either/or, with/without, closed/opened, light/dark, etc.

This part of the experiment or "test" is not changed at all. (Same class, same students, same time of the day)

This is something that you notice after you make your change. (Measuring the noise in a room in decibels)



**Report  
Log/Journal  
Photographs**

