



# topic to project worksheet

Follow these steps to turn a topic into a science fair project

## choose your topic

Choose a subject you are curious about. If you choose to replicate a science project you found online or in a book, try the project first.

My topic is:

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## ask a question

Ask yourself questions about the project. Now that you have tried it, look for things you might be curious about or variables that might be changed to produce different results.

My question is:

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## research

Once you have a question do your research. Go to the library and look up books about your topic. Go online and research your topic on the web. See if you can find answers to your question.

I researched my topic here:

book \_\_\_\_\_

book \_\_\_\_\_

book \_\_\_\_\_

website \_\_\_\_\_

website \_\_\_\_\_

article \_\_\_\_\_

article \_\_\_\_\_

## make a prediction

A hypothesis is your prediction of the answer to your question based on your research. It may or may not be true.

My hypothesis is:

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## experiment

Test your hypothesis by experimenting with different variables and documenting the results. Take notes and pictures of what happens; this is your data. Use the charts on the next page to keep track of your data.

This is my procedure for testing my hypothesis:

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## draw a conclusion

Based on your experiments and the data collected, form a conclusion.

My conclusion is:

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Was my hypothesis correct? Yes  No

If I did this project again \_\_\_\_\_  
here's what I would change: \_\_\_\_\_

# experiment planner

Plan your experiments here



## materials checklist

Here are the materials I need for my experiments:

Materials I have at home:

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Materials I need to buy:

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## location checklist

Where will I conduct my experiments?

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How long will the experiments take?

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Have I gotten permission from an adult to use the location? Yes  No  **ASK NOW!**

## variable checklist

What variables am I testing?

variable 1 

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variable 2 

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variable 3 

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variable 4 

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variable 5 

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variable 6 

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How many experiments do I need to conduct? 

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## procedure checklist

Here are the steps I will take for each experiment:

step 1 

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step 2 

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step 3 

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step 4 

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step 5 

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step 6 

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# presentation planner

Use this checklist to create your visual presentation



## presentation supplies

Here are the supplies I need for my presentation:

Supplies I have at home:

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Supplies I need to buy:

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Have I checked my school's requirements? Yes  No  **CHECK THEM NOW!**

## presentation items to print or draw:

- My project title
- My question
- My hypothesis
- Background research and source list
- Charts and graph showing my data
- My approach
- Pictures or drawing of my experiments
- My conclusion
- My name and grade

## sample display:

Will I be able to display my experiments? Yes  No

I need to bring the following items  
for my samples:

Think about transportation  
especially of liquids and clean up.

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