

# STUDENT WORK JOURNAL



Name:	 	
Homeroom Teacher: _	 	

Science Fair Due Date: FRIDAY, Jan. 26, 2019

\*\* Projects will be displayed in the hallways of the school during the night of the STEM Fair on Wednesday, January 30, 2019.



## My Science Fair Project Topic





ne problem I am go	ing to invest	tigate or atte	empt to solve is:	

Circle the area of science that goes along with your project topic:

Life Science

Physical Science

Earth and Space Science



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## **EVERYONE TURNS IN!**



By studying this problem, you will discover information that could be important
to you, your local community or communities around the world. In a brief
statement, explain why you think the information you will gather from the
investigation topic you are studying is important to your community and/or the
world.
Your name:
Homeroom Teacher:
Parent Approval (please sign on the line):
School/Teacher Approval (please sign on the line):



## Research Annotations

#### **EVERYONE TURNS IN!**



Write down up to 6 of the resources (websites, book titles, online articles, interviews, etc.) that you found during your research and a brief statement about what you learned from researching them. This will be turned into your teacher as evidence of your research.

Resource 1:		
	(website address, book title, article title, name of person interviewed)	
Brief statem	nent of what you learned:	
Resource 2:		
	(website address, book title, article title, name of person interviewed)	
Brief statem	nent of what you learned:	
Resource 3:	(website address, book title, article title, name of person interviewed)	
Brief statem	nent of what you learned:	



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## Research Annotations

### **EVERYONE TURNS IN!**



Resource 4:	
	(website address, book title, article title, name of person interviewed)
Brief statem	ent of what you learned:
Resource 5:	
	(website address, book title, article title, name of person interviewed)
Brief statem	ent of what you learned:
<del></del>	
Resource 6:	
	(website address, book title, article title, name of person interviewed)
Brief statem	ent of what you learned:



## Stating Your Hypothesis

#### **EVERYONE TURNS IN!**



After gathering background research, the next step is to formulate a hypothesis. More than a random guess, a hypothesis is a testable statement based on background knowledge, research, or scientific reason. A hypothesis states the anticipated cause and effect that may be observed during the investigation.

State your hypothesis/prediction below:					



# My Experiment Information

#### **EVERYONE TURNS IN!**



Describe your experiment. What is your plan? List the steps of your experiment in the box below. Make sure to number your steps and include any drawings to help explain your plan.					

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# My Experiment Information

#### **EVERYONE TURNS IN!**



MATERIALS List all of the materials you will need for your experiment.	VARIABLES Clarify the variables of your experiment.		
	Testable Question:		
	What is the question you are researching?		
	Independent Variable:		
	What parts of your experiment will you change for each test you do?		
	Controlled Variables:		
	What parts of your experiment will stay the same for each test you do?		
	Dependent Variable:		
	How will your results change because of your independent variable?		



Results & Observations EVERYONE TURNS IN!

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rite down the results o	fyour experiment or	prototype trials. Wr	ite down any notes a	and details you
served or discovered				
eet of paper or need				
cet of paper of fieca	more space, you m	ust also tarif ili tili	osc silects as well.	

Graphing Your Results

**EVERYONE TURNS IN!** 

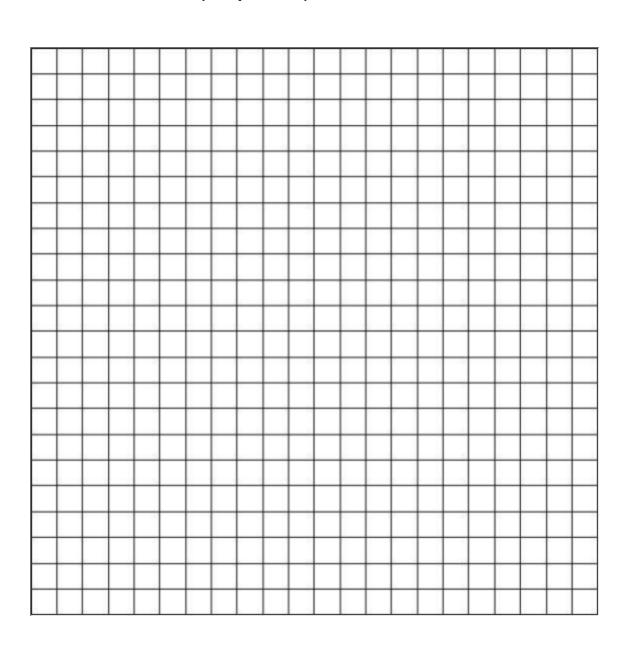


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(Graph Title)

Y-axis Title)



X-axis Title]



## Communicating Your Results

### **EVERYONE TURNS IN!**



After your experiment, you need to communicate the results. Make sure to address the following questions in your conclusion statement.

- What was the problem your investigated or attempted to solve?
- Did the results help you understand the problem or solve the problem? Explain how.
- In what ways does, or could, your project affect the local or global community?




# Communicating Your Results

### **EVERYONE TURNS IN!**



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