

Hi! Thank you for visiting thehomeschooldaily.com! So glad you were able to find a school tool you can use. Please feel free to use this activity for your own personal use or if you are the main teacher in a coop setting. I provide this free resource to encourage others to homeschool their own.

If you would like to share the file with others, I ask that you share by sending them a link to my website or to the page that hosts the file. Please do not send them a link directly to just the PDF file (the file you are at now).

You may not sell, copy, or alter my files as your own. You may not host website without linking files on your own them to thehomeschooldaily.com attribution or giving proper to thehomeschooldaily.com.

May you be blessed on your homeschooling journey.



THE SCIENTIFIC METHOD PACKET

This is a 7-page packet meant to encourage the investigation of the scientific method. I use this packet over the course of 4-7 days depending on the age and size of the class. Working together, the teacher and student will explore the steps of the scientific method. The first page of the packet is a great time for students to personalize the packet. You can encourage them to write the definition of the scientific method on the cover or draw pictures that depict the scientific method. The Scientific Method Packet reviews the process of the scientific method including how to write a hypothesis, writing steps for an experiment, identifying variables, and creating different graphs to organize data. Happy learning!

What is the Scientific Method?

What is the Scientific Method?

a.	
υ.	
c.	
d.	
.	
Ш	motheric: Write a hypothesis for each of the posing guestions below
	pothesis: Write a hypothesis for each of the posing questions below.
а.	Does air pressure affect the bounce of a ball?
_	
b.	Will water freeze faster in different shaped containers?
C.	Does a baseball player hit farther with an aluminum or wood bat?
d.	Do more expensive candles burn longer?

	anation of how you would test the hypothesis.
1	L
2).
3	B
	l
	5
	5
	7.
	3
	9
	10
1	.1
1	12
_	
	iables: Determine what the variables are in the experiment.
	Manipulated variable:
. F	Responding variable:
C	Controlled variable:

Set-Up Experiment: Choose one of the posing questions above. Write out a step by step

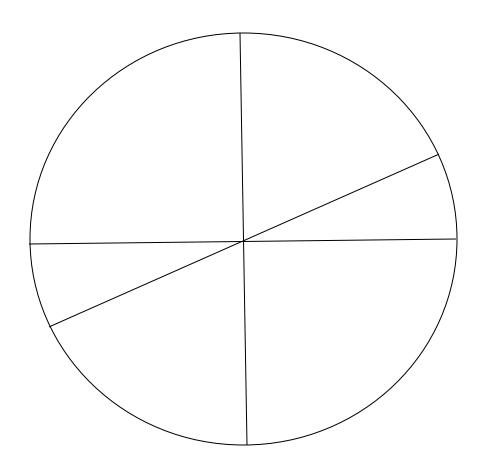
3.

5. Record Data: Use the data in the table below to <u>fill in the pie graph</u> below. Make sure to <u>label</u> your pie graph with the <u>activity</u>, hours spent, and percentage of the day. Complete your pie graph by <u>coloring each slice a different color</u>. Be neat.

Percent of Hours of a Day Spent on Activities

ACTIVITY	HOURS	PERCENT OF DAY
Sleep	6	25
School	6	25
Job	4	17
Entertainment	4	17
Meals	2	8
Homework	2	8

Percent of Hours of a Day Spent on Activities



6. Use the data in the table below to <u>fill in the bar graph</u>. Make sure to <u>label your graph</u> appropriately.

Favorite Student After School Activity

Activity	Number
Visit W/Friends	175
Talk on Phone	168
Play Sports	120
Earn Money	120
Use Computers	65

Favorite Student After School Activity

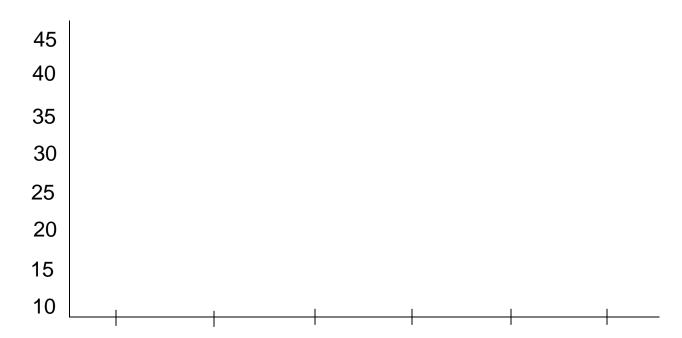
180			
400			
160			
140			
120			
100			
80			
80			
60			
40			
0.0			
20			

7. Use the data in the table below to <u>create a line graph</u>. Make sure to <u>label your graph</u> appropriately.

Average Daily Temperature for January 1-6 in Degrees Fahrenheit

Date	Temperature
1	16
2	25
3	30
4	42
5	28
6	41

Average Daily Temperature for January 1-6 in Degrees Fahrenheit



	explanation of the graph.
_	
_	
_	
_	
_	
_	
_	
_	
_).	Number the steps of the scientific method in the order they should go.
_).	Number the steps of the scientific method in the order they should go. Analyze Data
_).	Analyze Data
<u> </u>	Analyze Data Ask a Question
-	Analyze Data
-	Analyze Data Ask a Question
-	Analyze Data Ask a Question Develop Hypothesis
-	Analyze Data Ask a Question Develop Hypothesis State Conclusion