



MAKER JOURNAL

Name: _____

Date: _____

Reflect: How did you sort materials?

Draw your results.

Our Sort

What characteristic did you sort by? (color, shape, size...)

We sorted by: _____, and there were _____ groups.

Circle one:	This was a useful way to sort.	This was not a useful sort.
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Why was this useful, or not?	
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What would you do next time?	
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Fill in the bar graph with objects you sorted. Draw each of 5 objects at the bottom of each column, then color in the boxes above for the amount of the object.

50					
45					
40					
35					
30					
25					
20					
15					
10					
5					

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Using your bar graph, fill in the questions

What material do we have the
most of?

What material do we have the
least of?

What material do we have
enough of for the whole class
to use?



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Draw Your Material

What are its characteristics?

Characteristics/Properties Word Box

Size, color, bendability, water resistance, stiffness, can write on

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Test 1: What property is being tested?	
Describe your test:	
Describe the Results:	

Test 2: What property is being tested?	
Describe your test:	
Describe the Results:	

Test 3: What property is being tested?	
Describe your test:	
Describe the Results:	



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Observations from around the school:

**What problems do you notice?
Where will your sign be?
What about the area (outside/by trash) do you need to think about in your design?**

A large, empty rectangular box with a black border, intended for students to write their observations and design considerations.



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Name: _____

Date: _____

Ideate

**Sketch out your design.
Include details about size and materials.**

A large, empty rectangular box with a thin black border, intended for sketching and drawing a design.

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Test your prototype

Test 1: What property is being tested?	
Describe your test:	
Describe the Results:	

Test 2: What property is being tested?	
Describe your test:	
Describe the Results:	

Test 3: What property is being tested?	
Describe your test:	
Describe the Results:	



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How long do you predict your sign will last?

Describe your test:	
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Describe the Results:	
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What effect do you predict your sign will have? How will you measure this?

Describe your test:	
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Describe the Results:	
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If you could use a different material, or design, what would you change?

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