

# Thinking Maps

January 19, 2016



# Overview

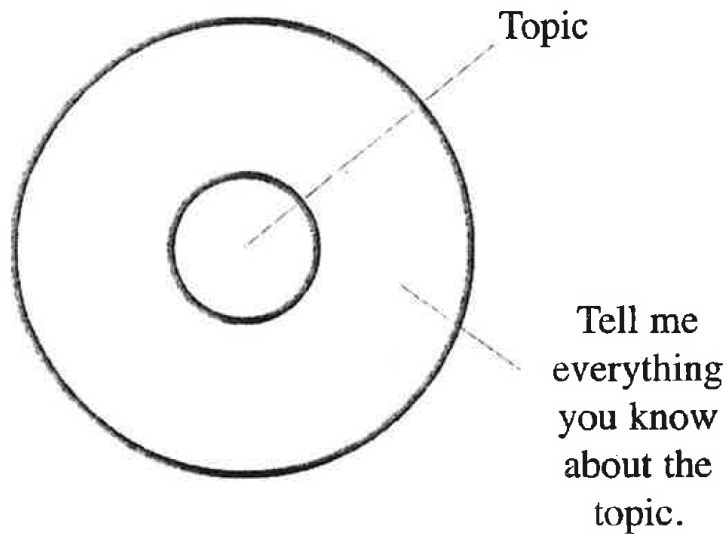


- Developed by neuroscientists;
- Each map represents one of eight cognitive processes;
- They are designed to support learners to construct meaning;
- They are tools for independent thinking and collaboration;
- 117 Teachers trained district-wide;

# + Circle Map

## CIRCLE MAP

Use this map for  
DEFINING IN CONTEXT

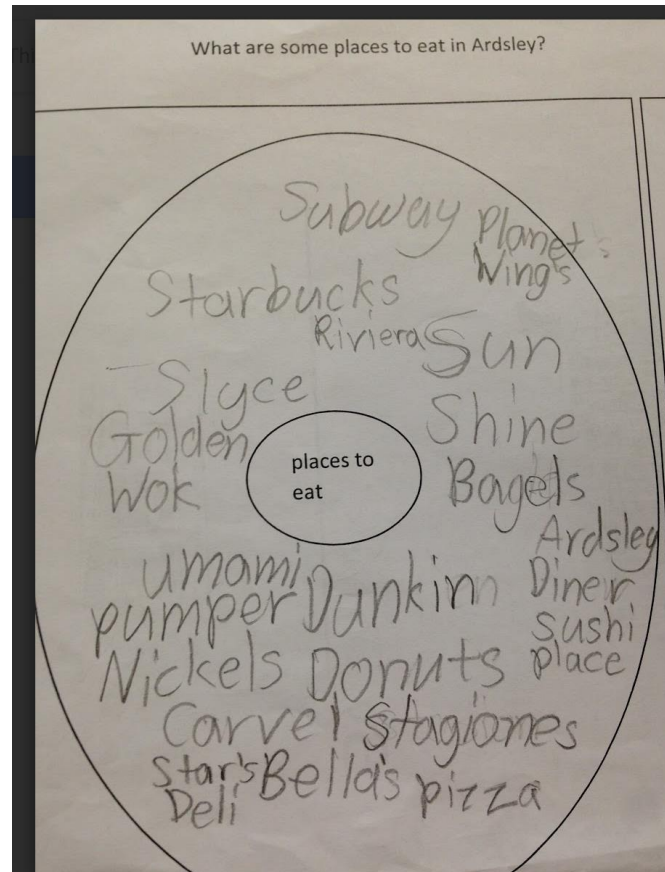


### Key Words

Context  
List  
Define  
Tell everything you know  
Brainstorm  
Identify  
Relate prior knowledge  
Explore the meaning  
Associate  
Generate

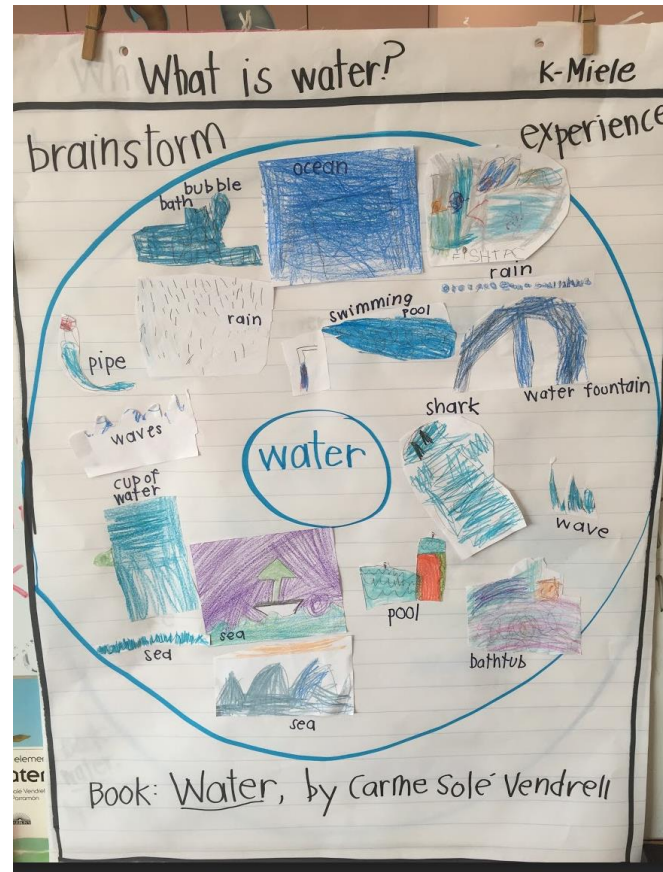
# + Circle Map Example

## Social Studies Grade 2



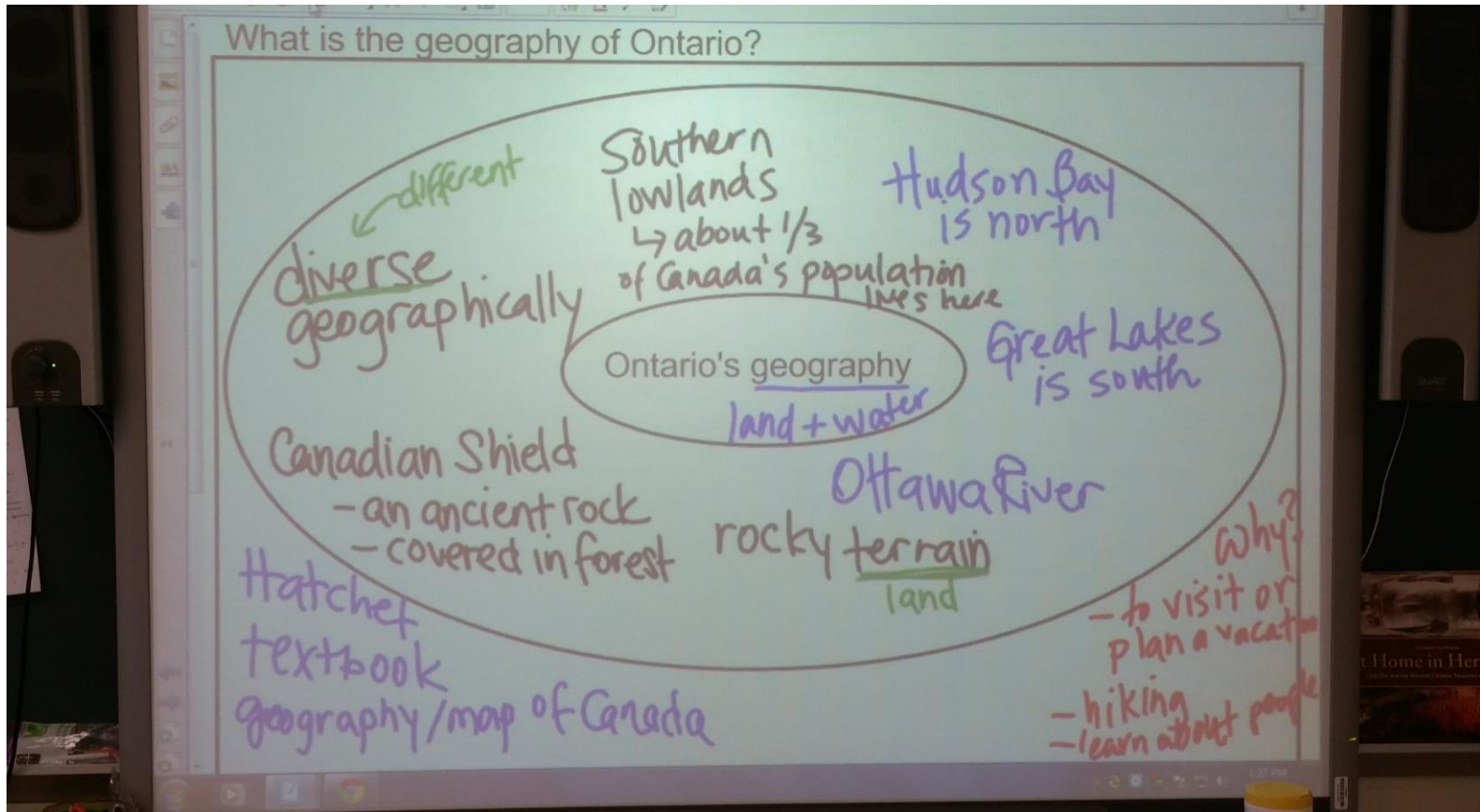
# + Circle Map Example

## Science Grade 2



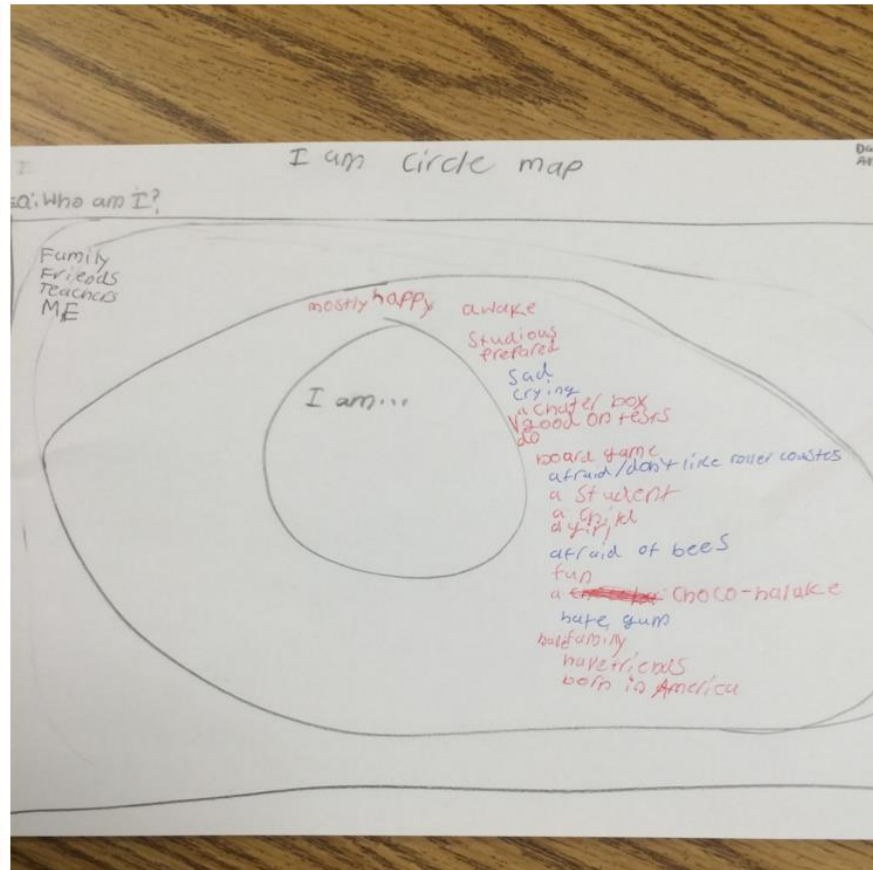
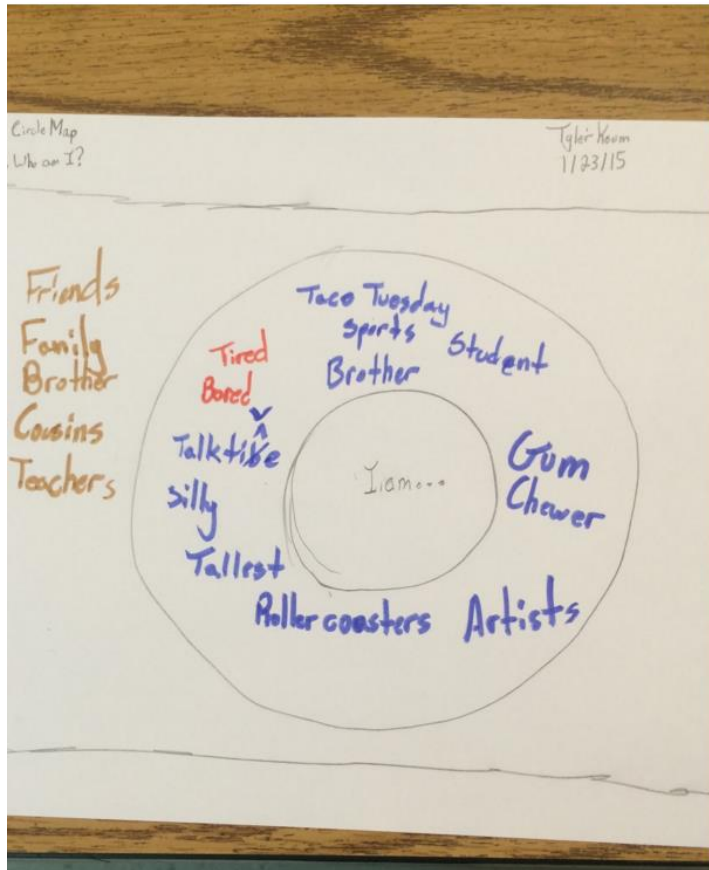
# + Circle Map Example

## Social Studies Grade 5



# + Circle Map Example

## ELA Grade 6





# + Circle Map Example

## ELA Grade 7





# + Circle Map Example

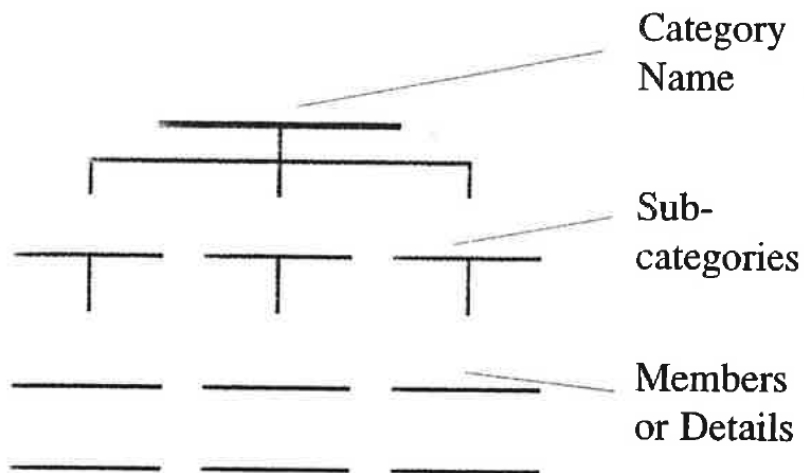
## CRS Special Education



# + Tree Map

## TREE MAP

Use this map for  
CLASSIFYING

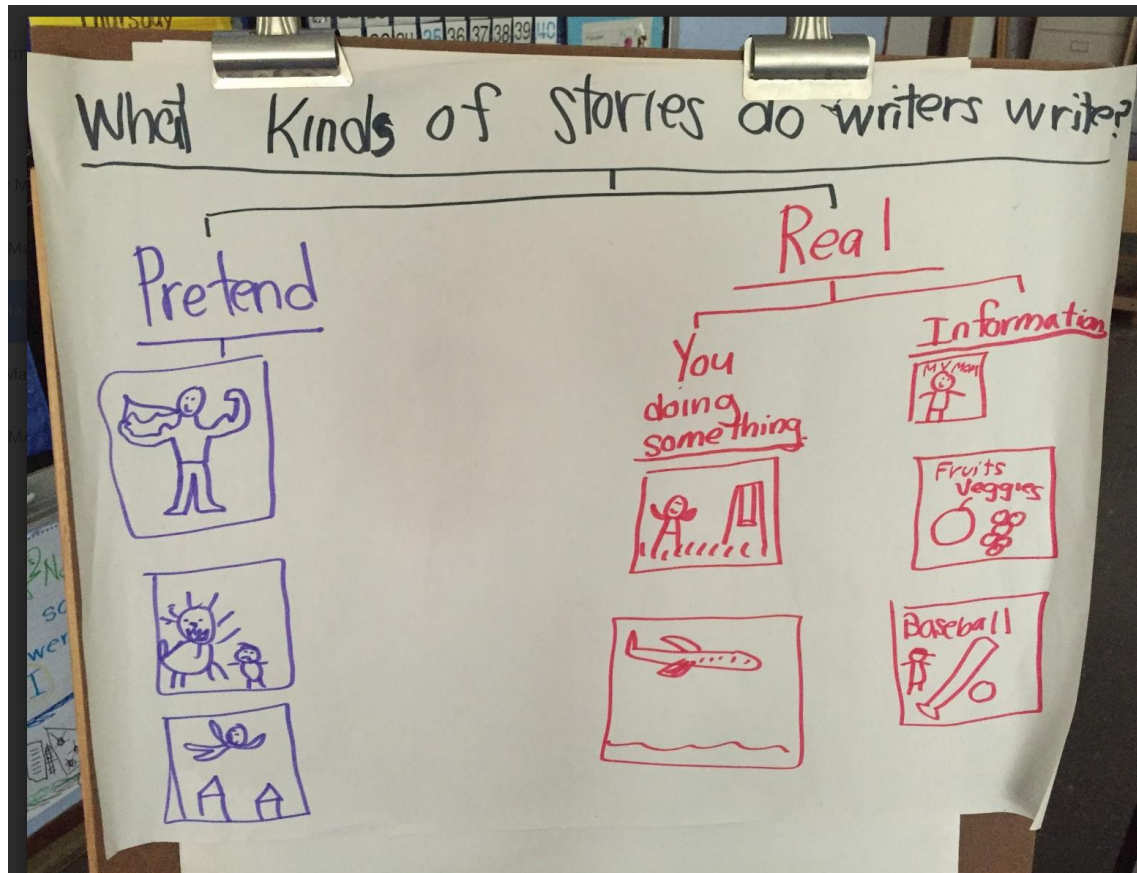


### Key Words

Classify  
Sort  
Group  
Categorize  
Identify Main Idea and  
Supporting Idea  
Give Sufficient and  
Related Details  
Kinds of  
Taxonomy

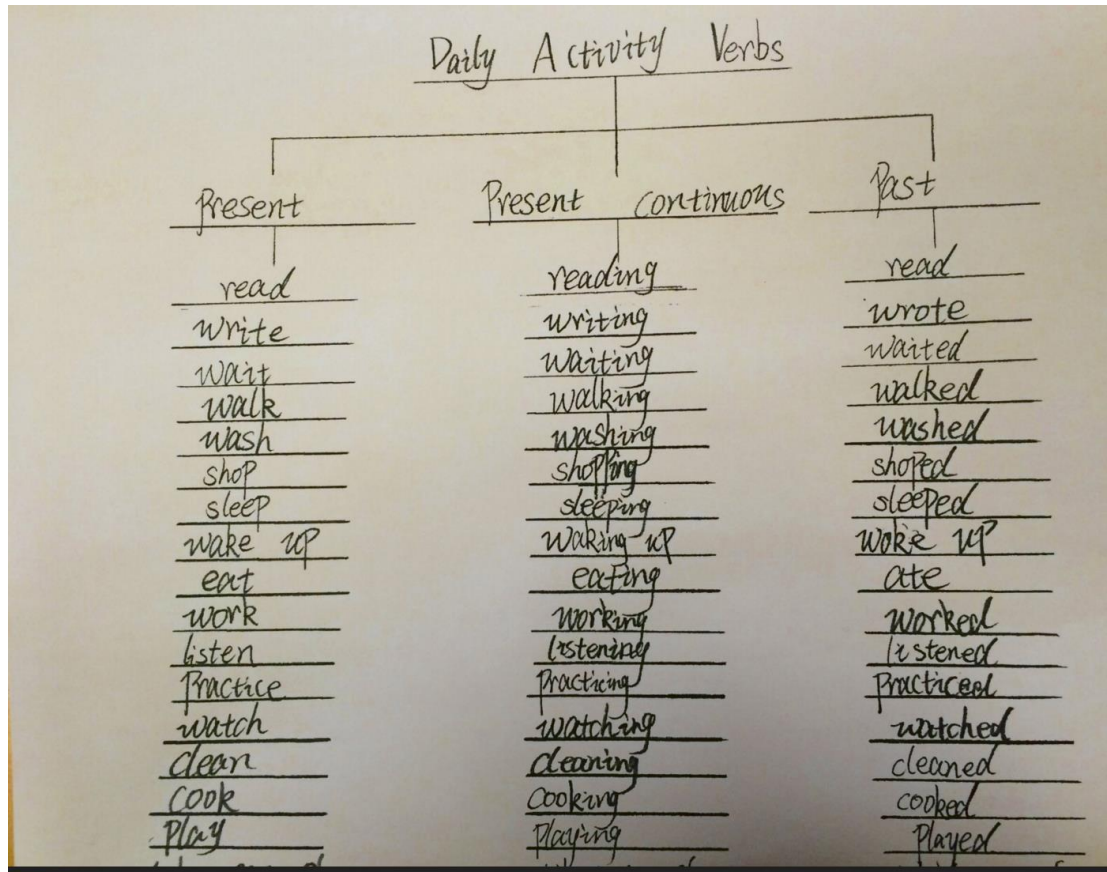
# + Tree Map Example

## ELA Kindergarten



# + Tree Map Example

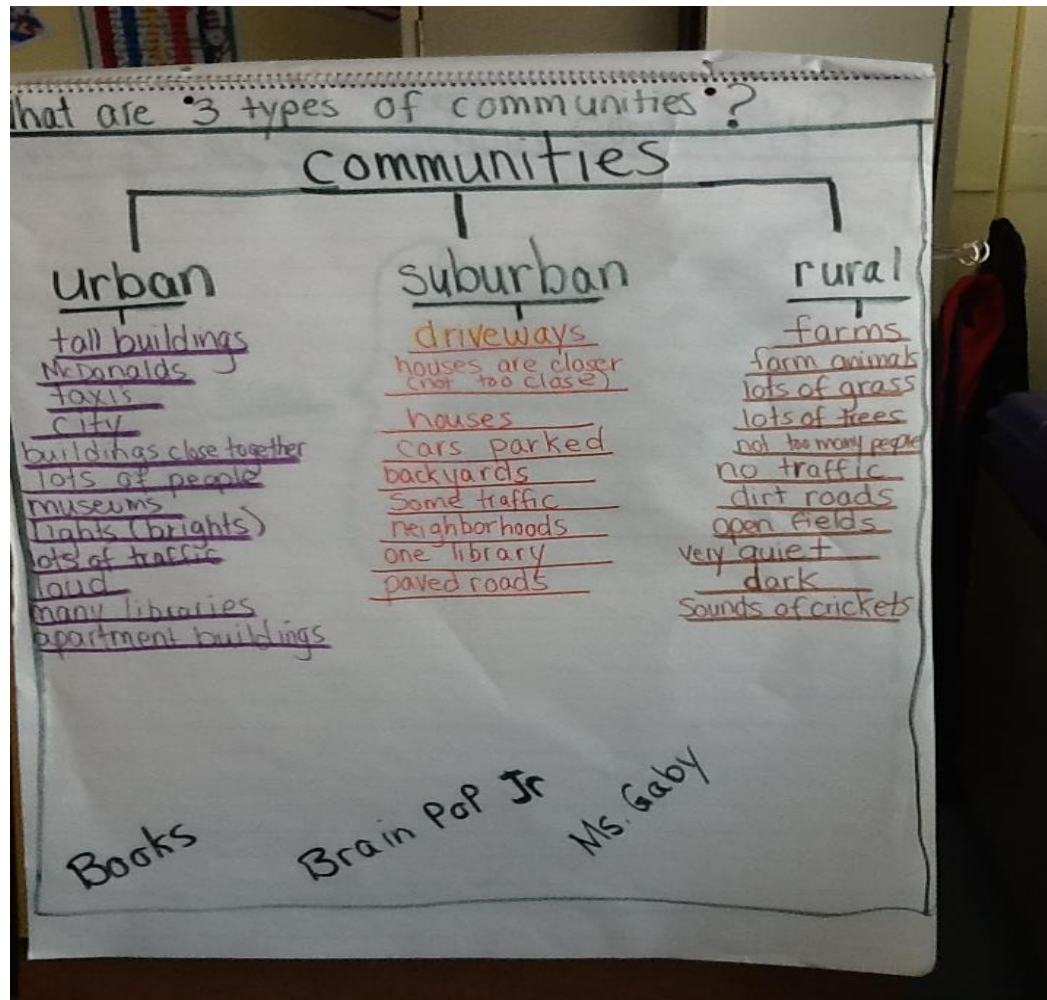
## CRS ELL





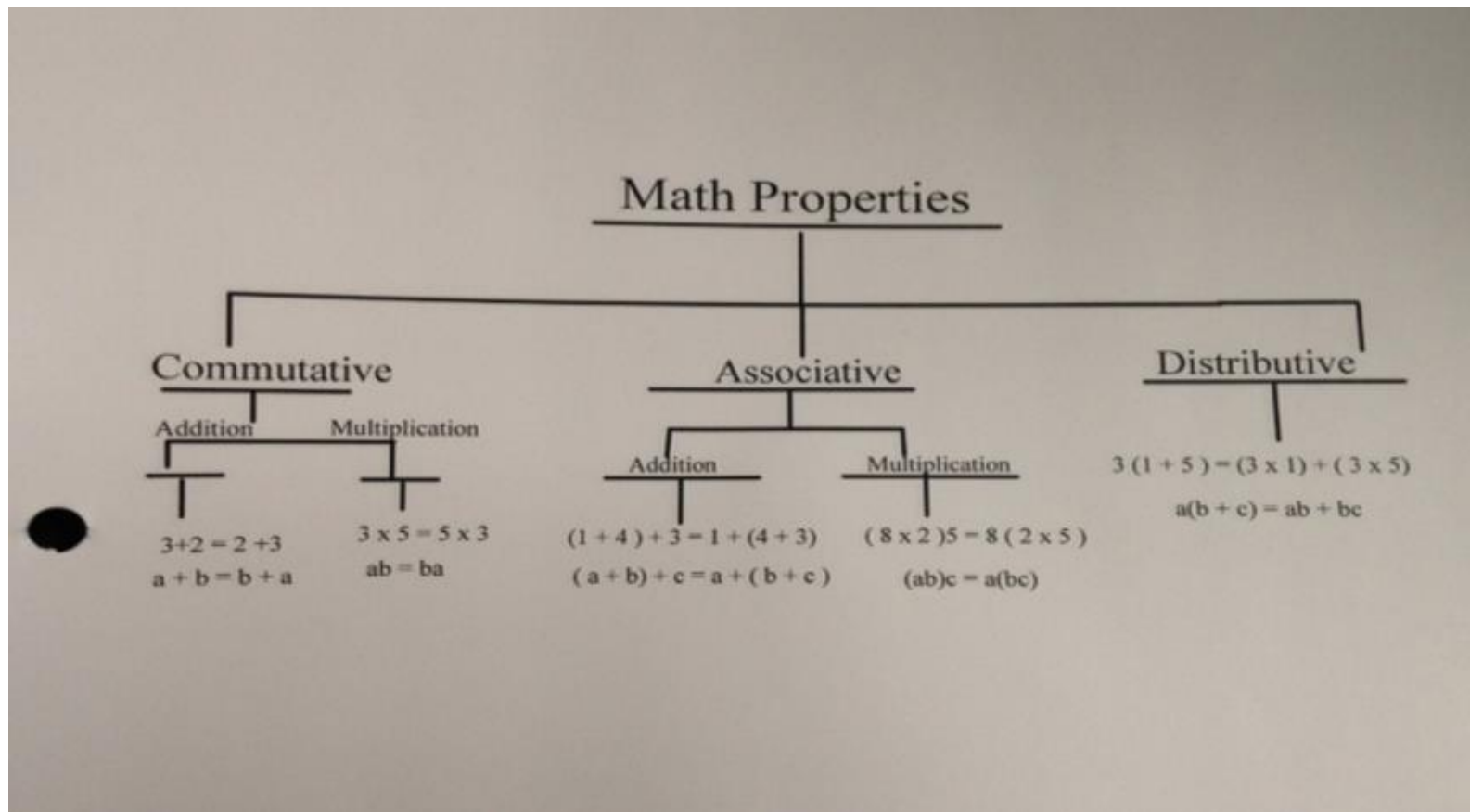
# + Tree Map Example

## Special Education CRS



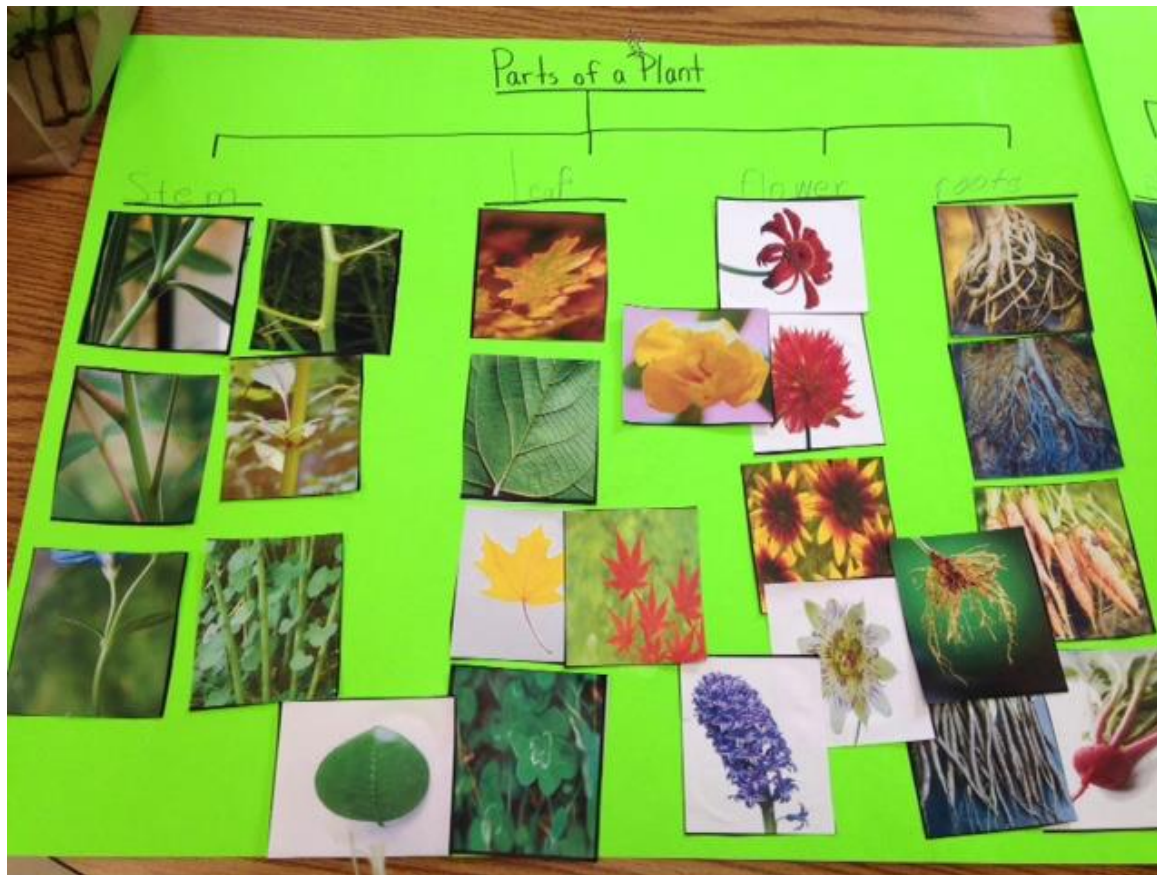
# + Tree Map Example

## Mathematics Grade 6



# + Tree Map Example

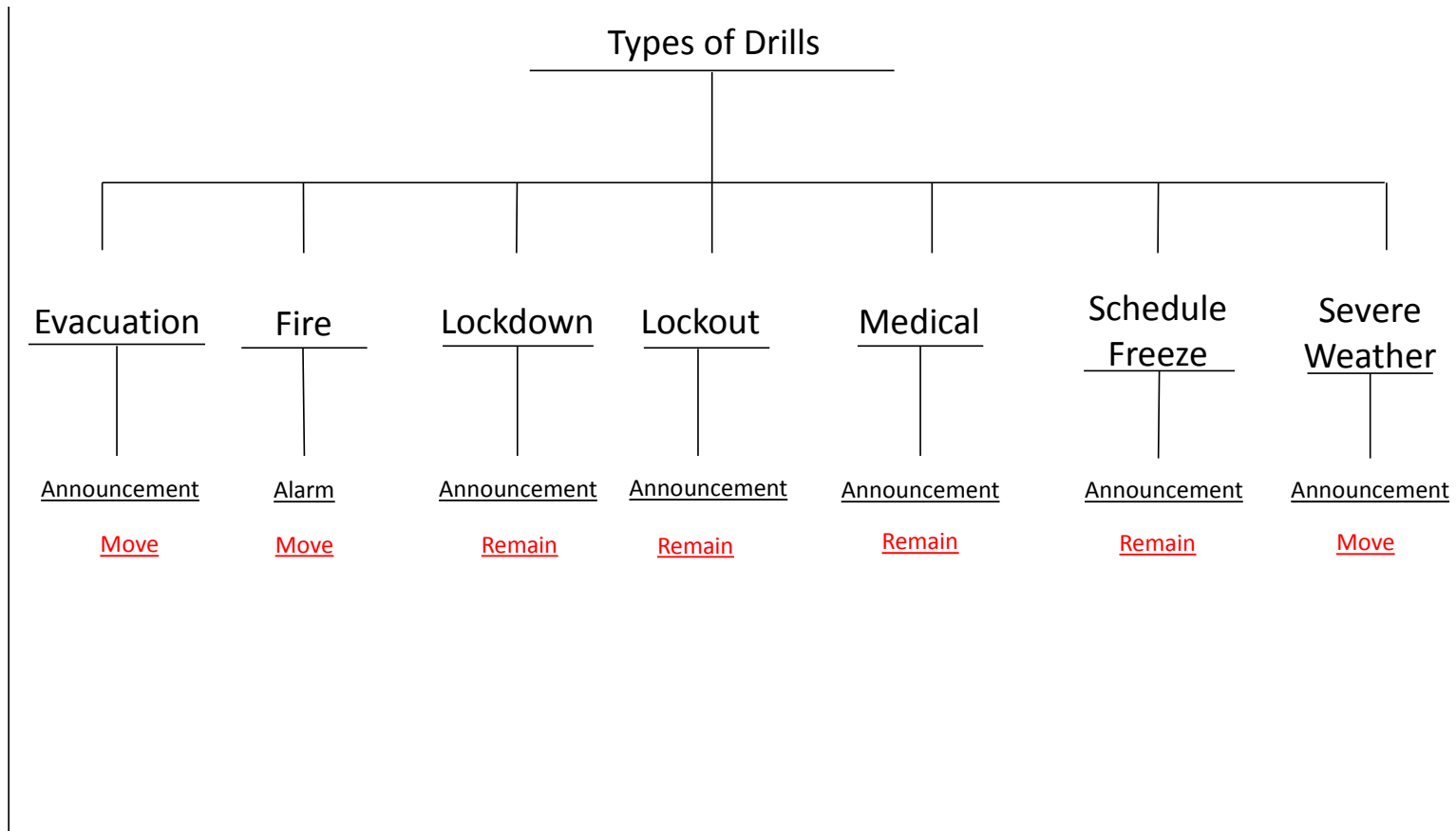
## Special Education AMS





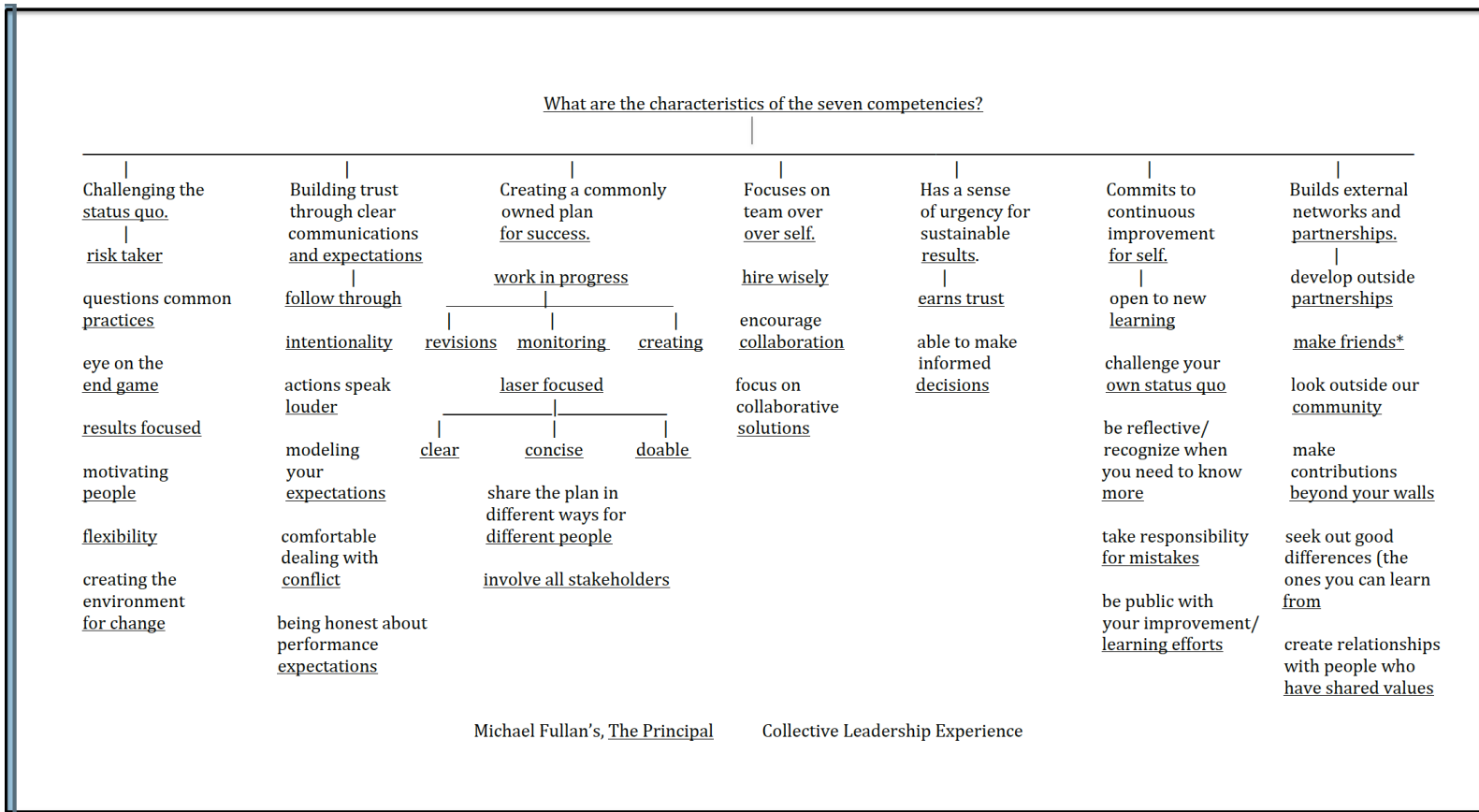
# + Tree Map Example

## AMS Administration



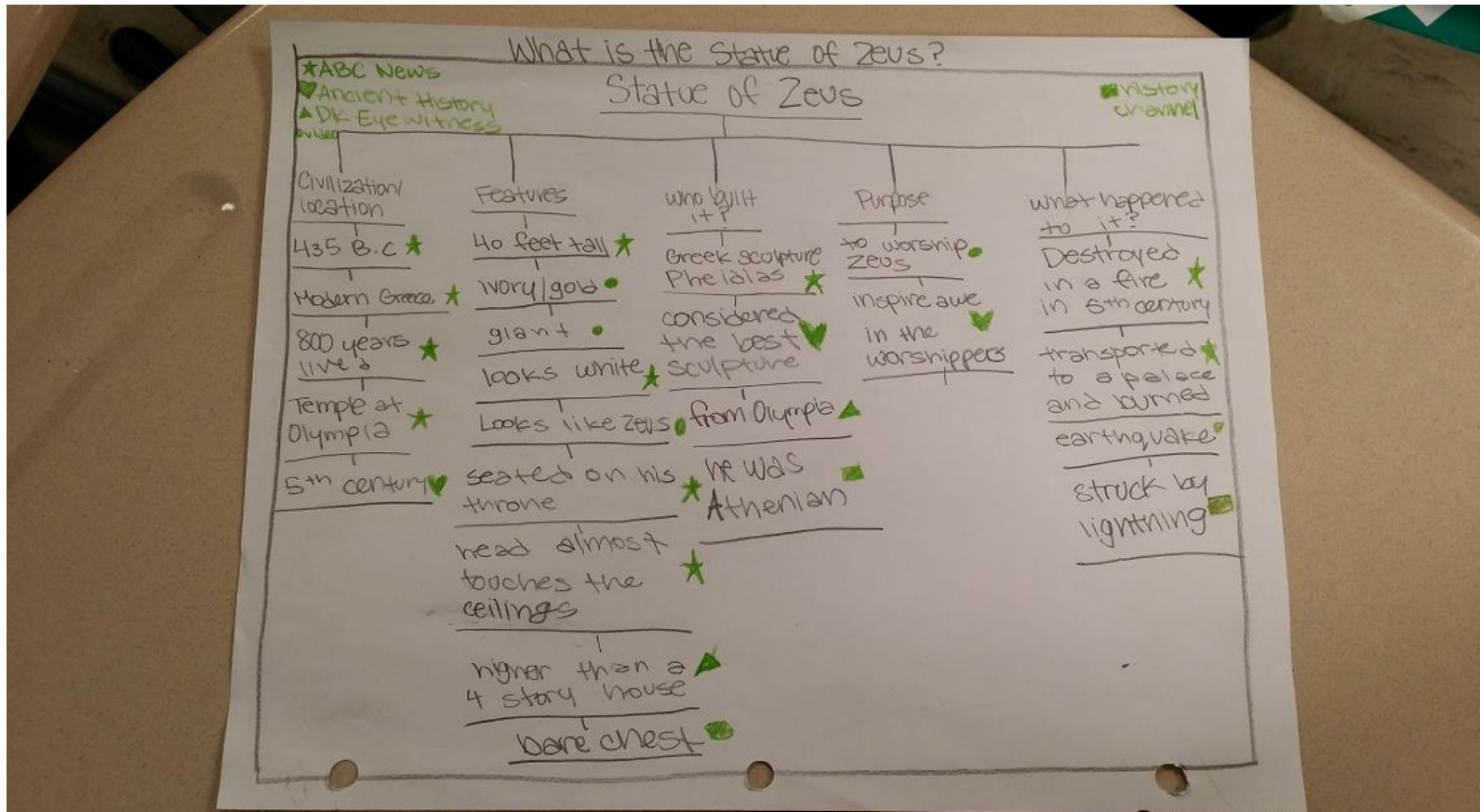
# + Tree Map Example

## Administrative Council

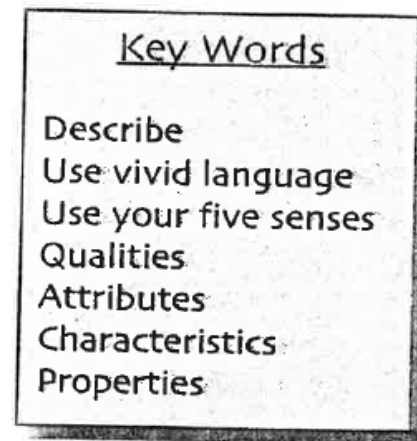
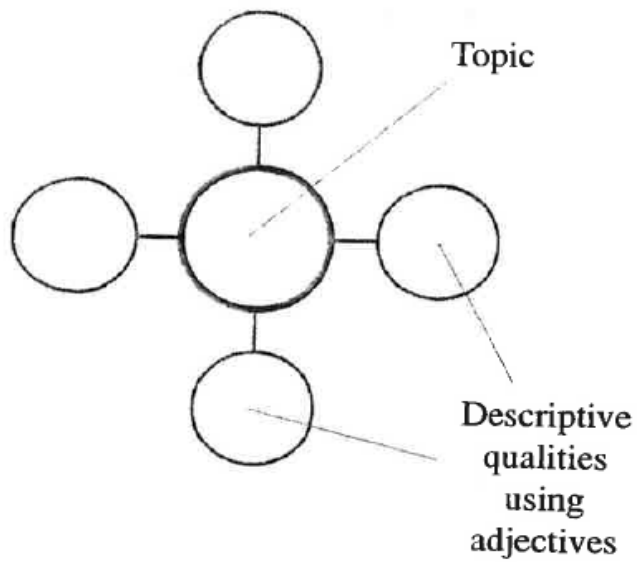


# + Tree Map Example

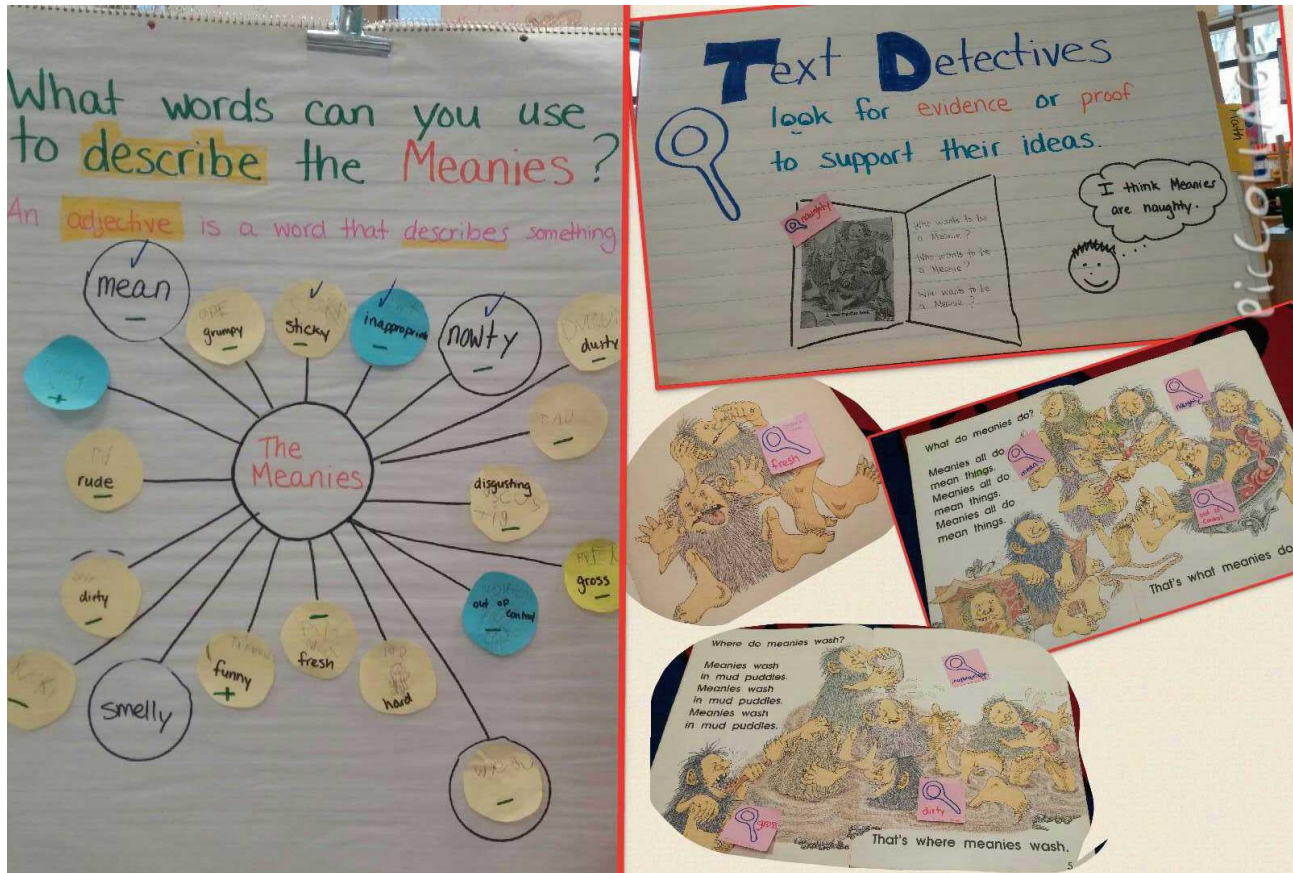
## Social Studies Grade 6



# + Bubble Map



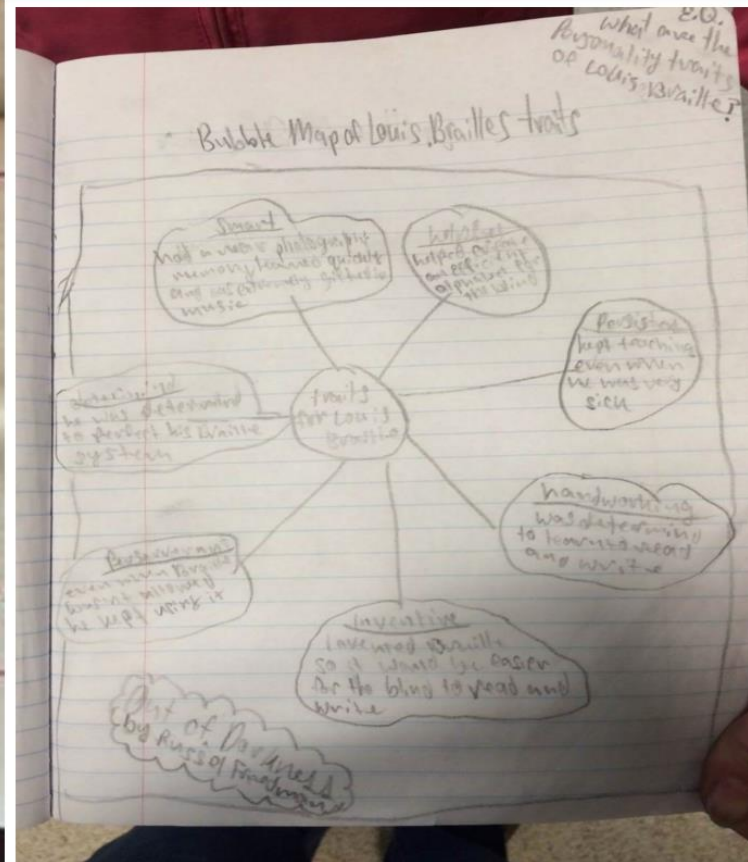
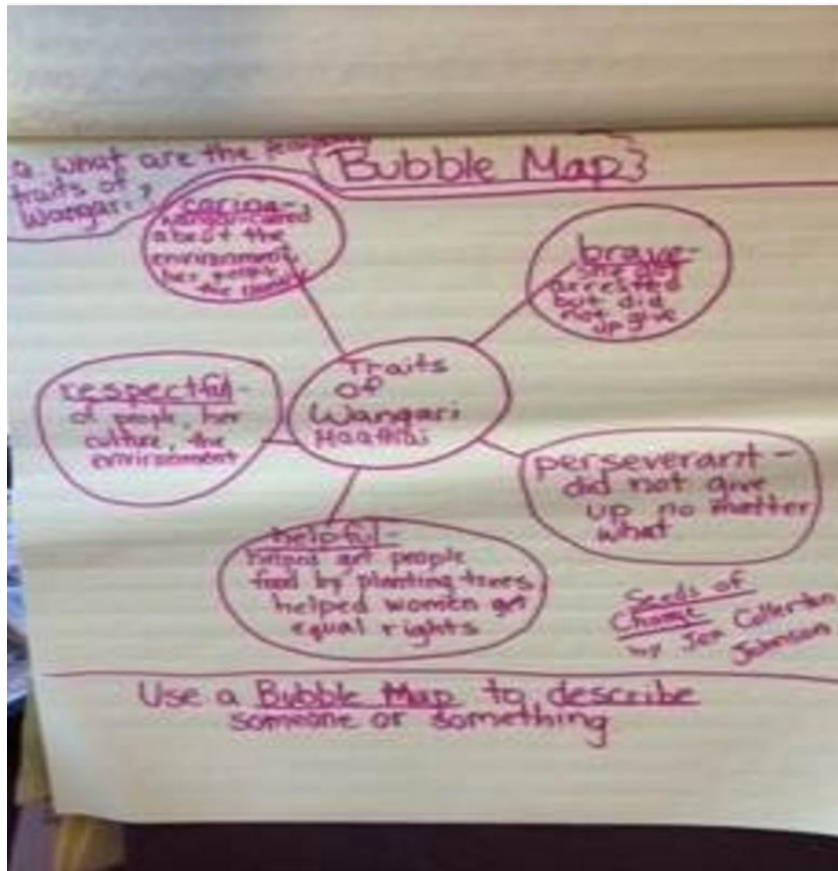
# + Bubble Map Example ELA Kindergarten





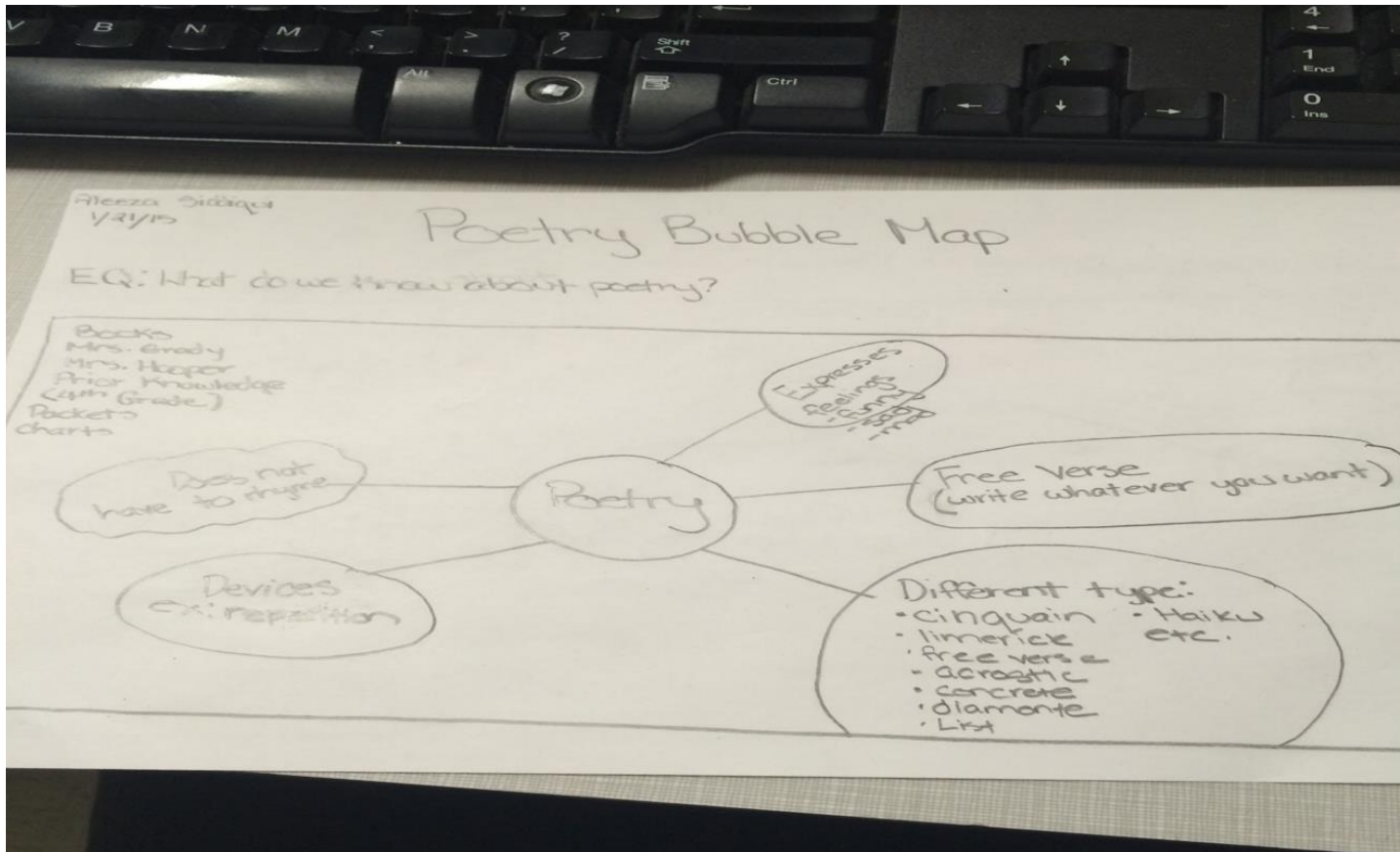
# + Bubble Map Example

## ELA Grade 4



# + Bubble Map Example

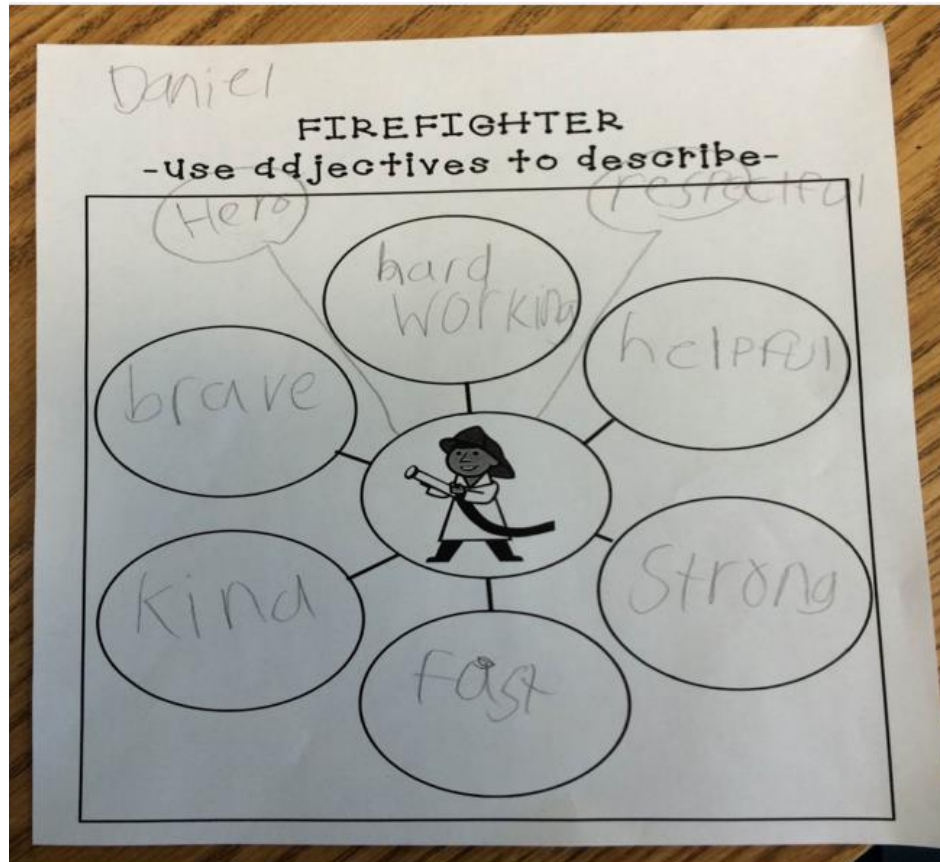
## ELA Grade 6





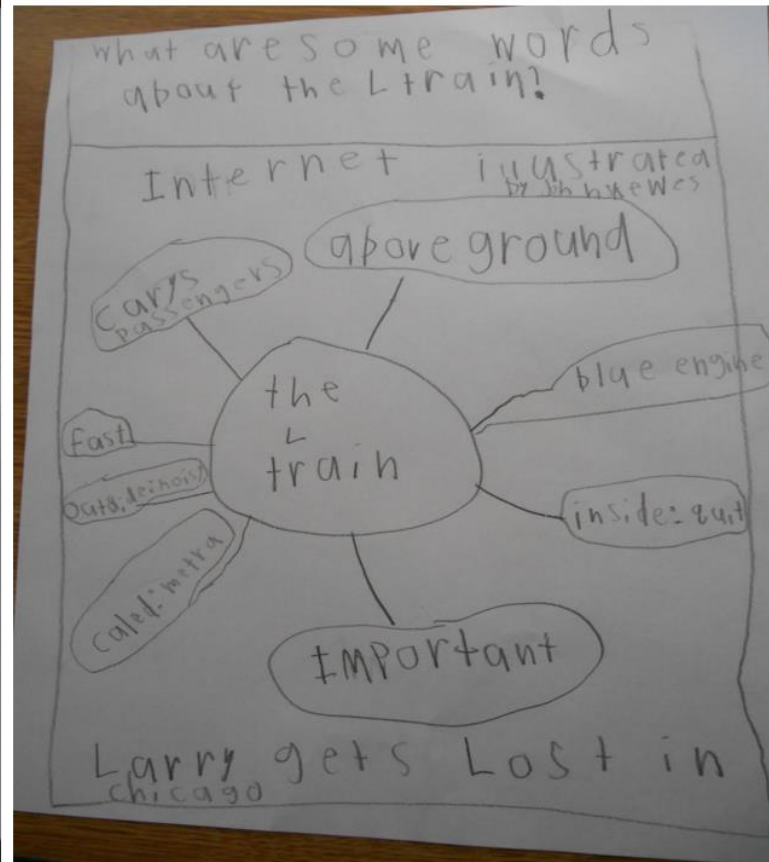
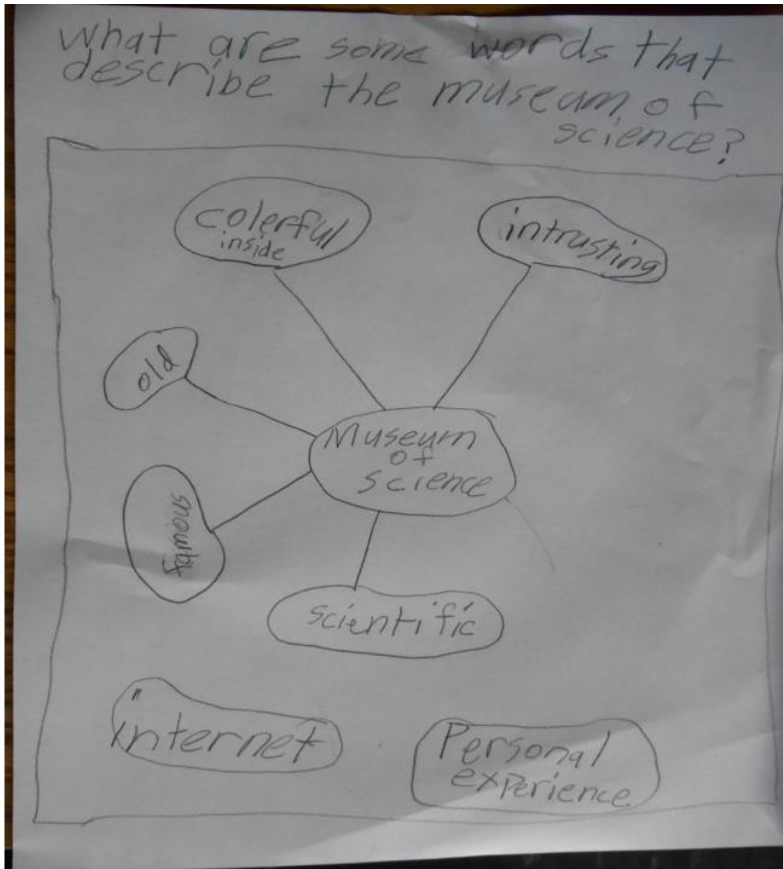
# + Bubble Map Example

## CRS Special Education

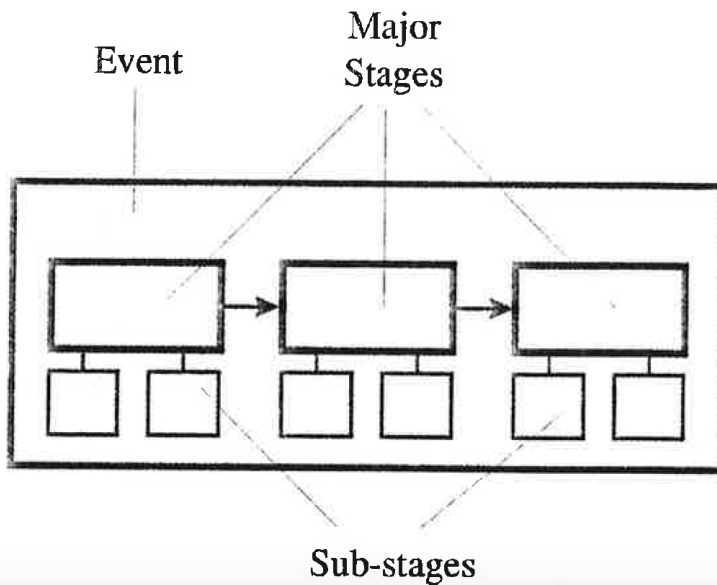
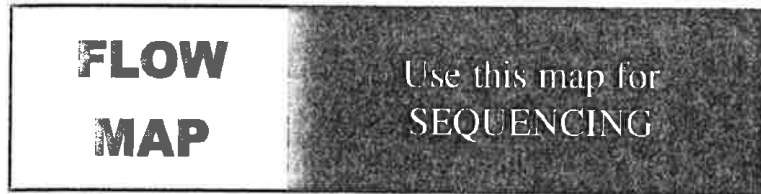


# + Bubble Map Example

## Social Studies Grade 2



# + Flow Map

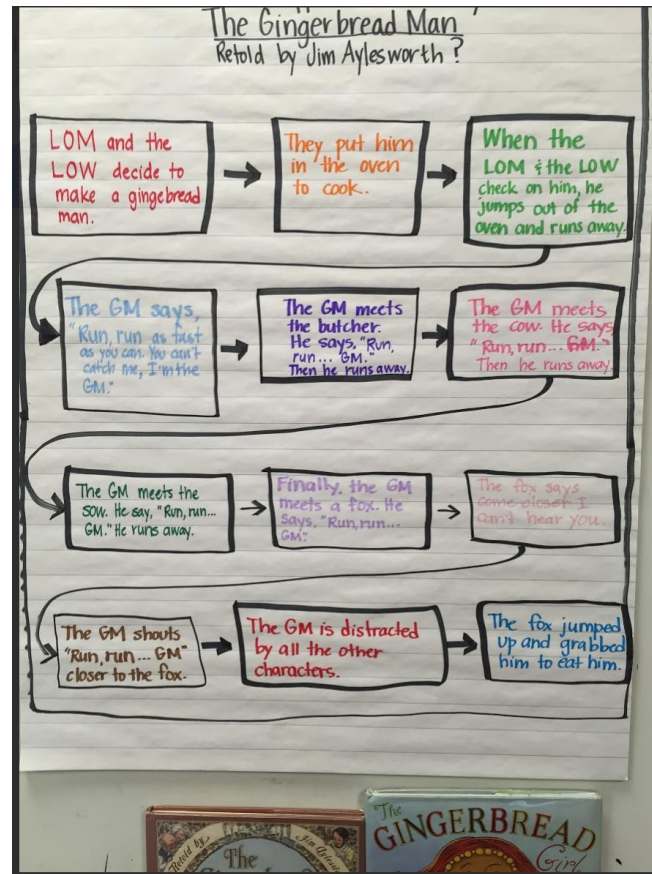


## Key Words

Sequence  
Put in Order  
Retell/Recount  
Cycles  
Patterns  
Show the Process  
Solve Multi-Step  
Problems

# + Flow Map Example

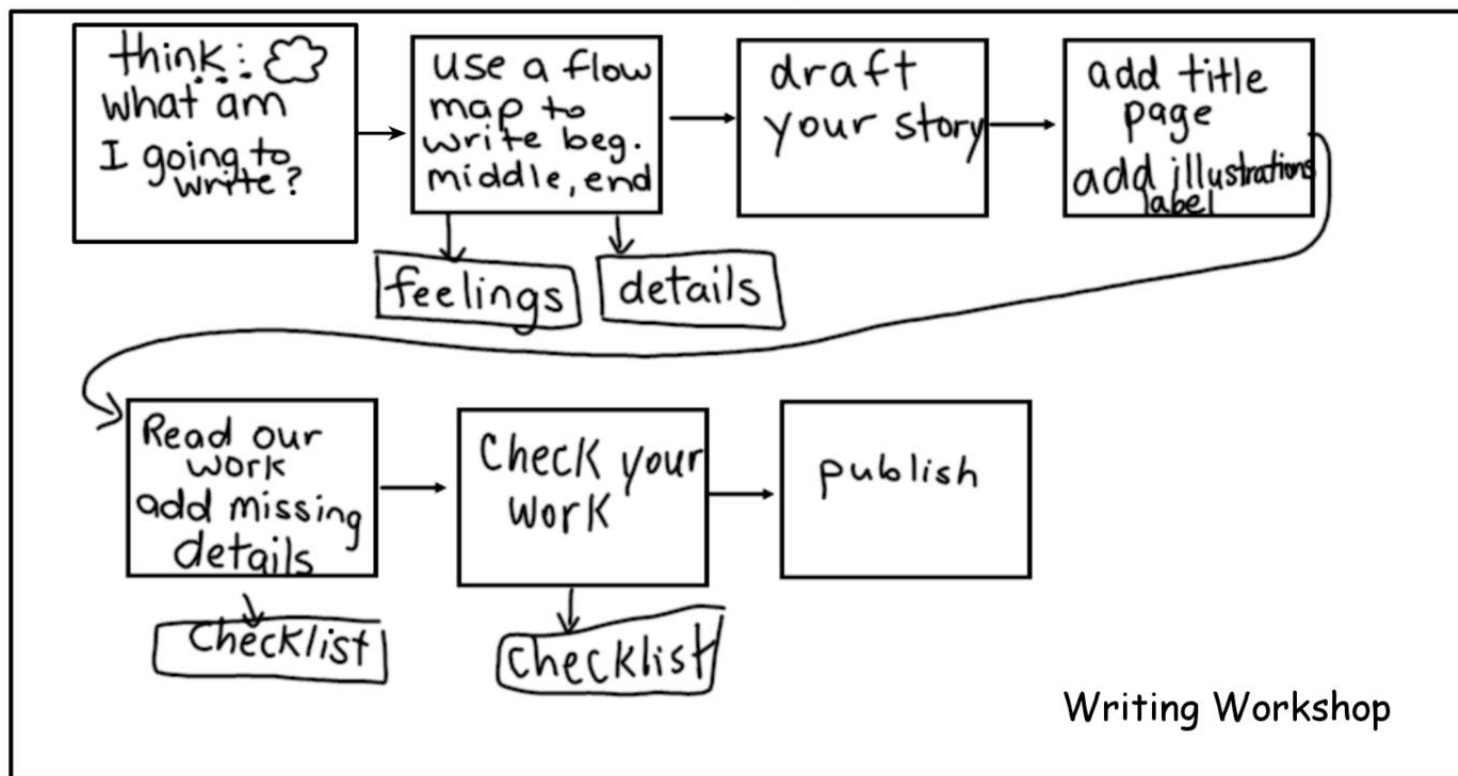
## ELA Kindergarten



# + Flow Map Example

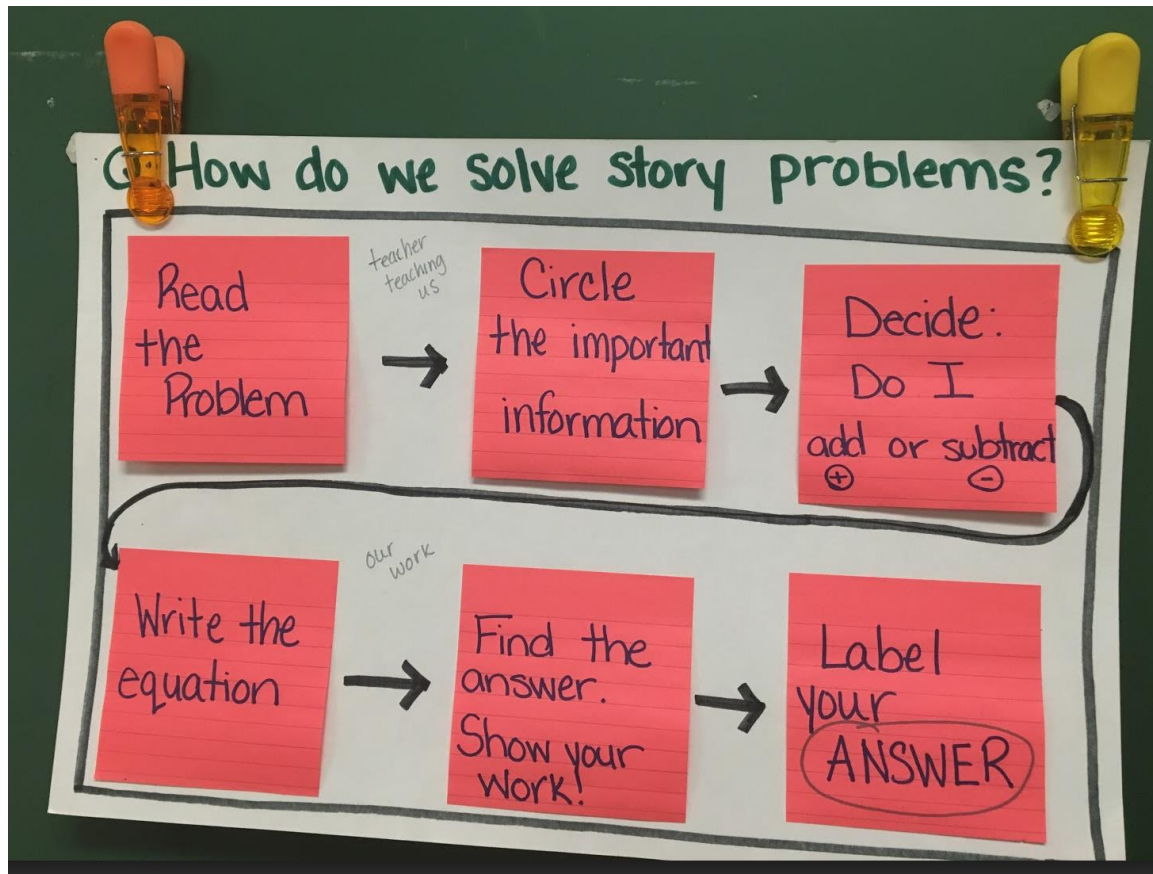
## ELA Grade 1

What are the steps for writing a personal narrative?



# + Flow Map Example

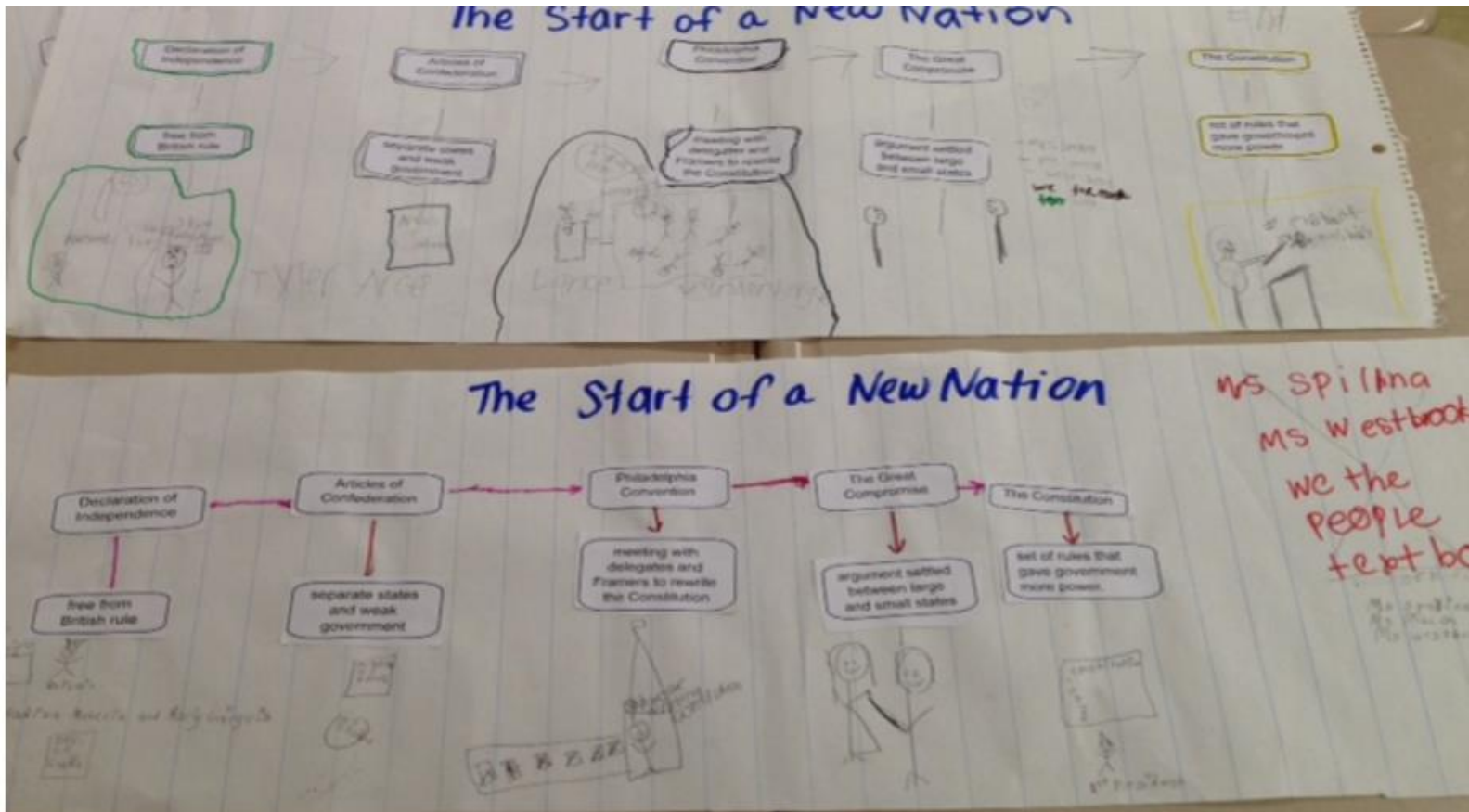
## Grade 1 Math





# + Flow Map Example

## Social Studies Grade 5

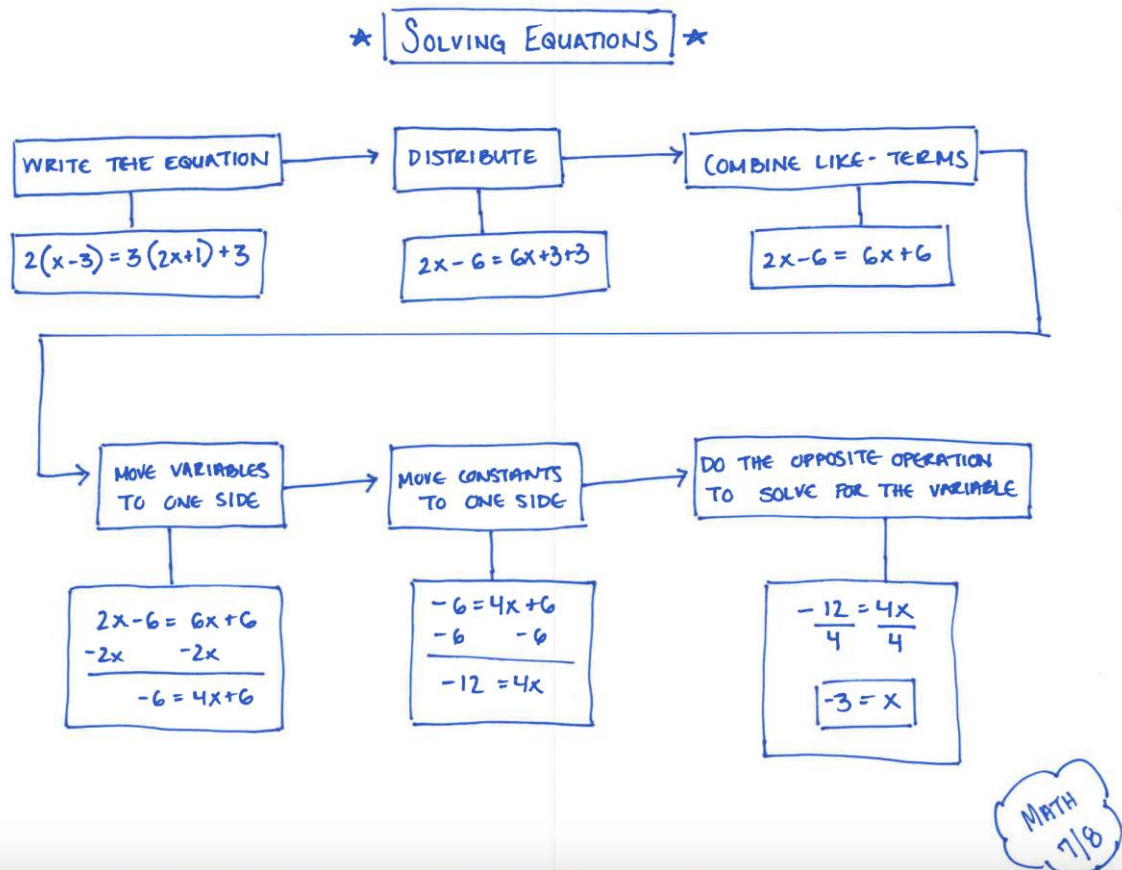






# Flow Map Example

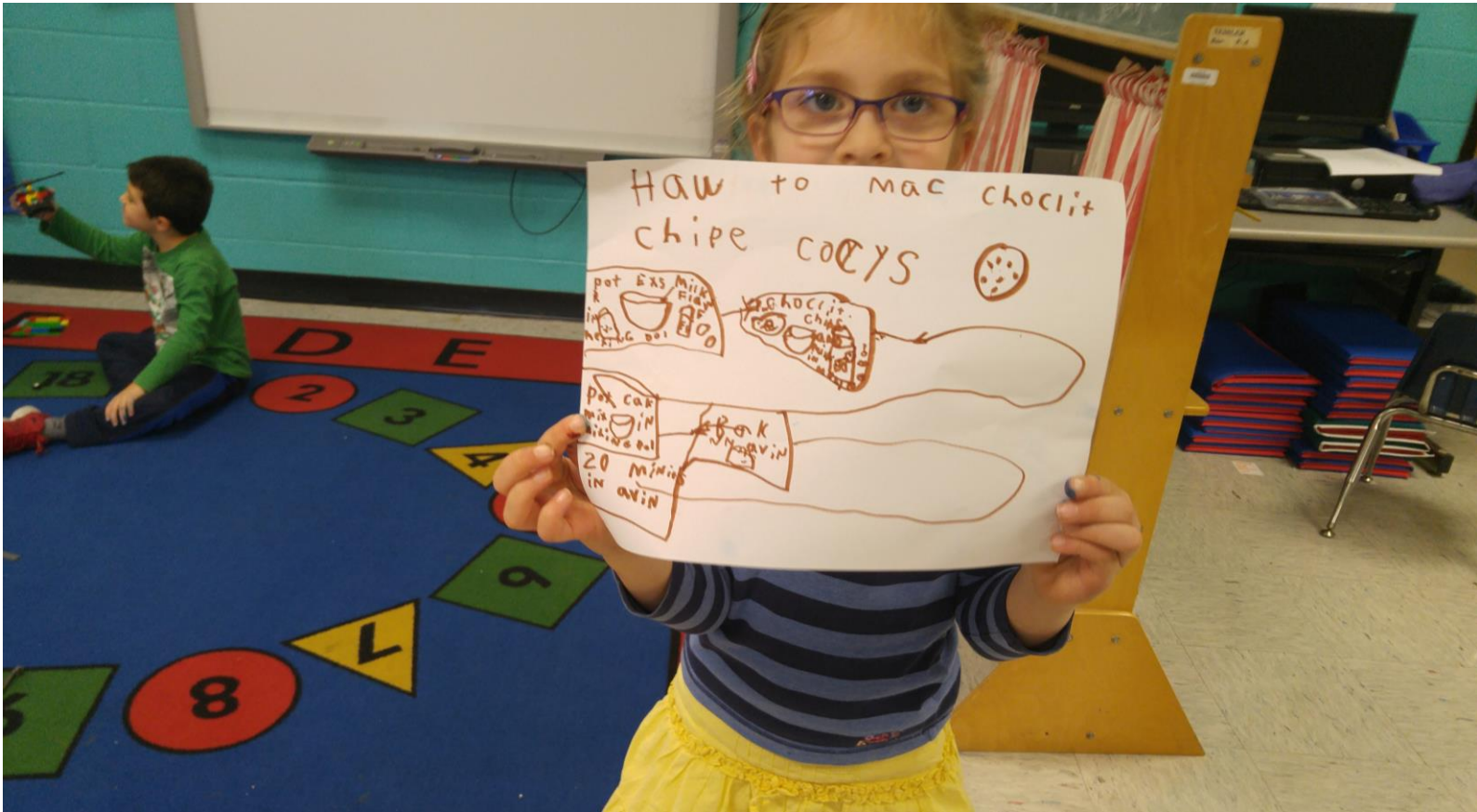
## Mathematics-Grades 7/8





# *Flow Map Example*

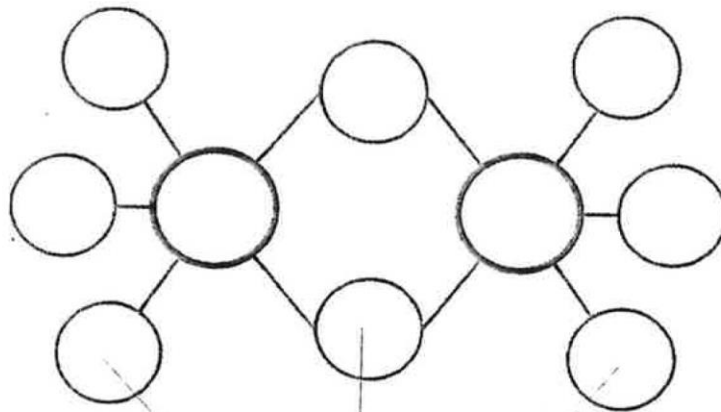
## *ELA Kindergarten*



# + Double Bubble Map

## DOUBLE BUBBLE MAP

Use this map for  
COMPARING AND CONTRASTING



Ideas that are  
the same

Ideas that are unique or  
different

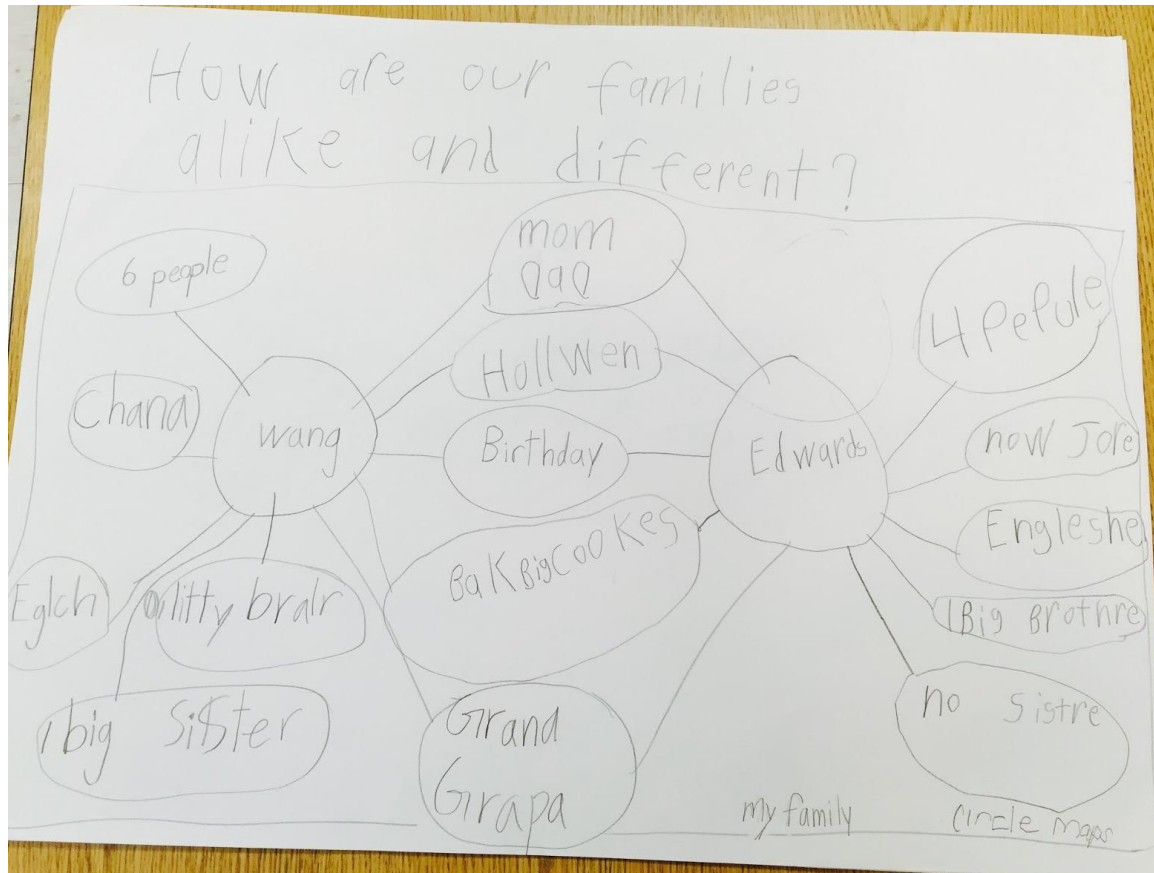
### Key Words

Compare  
Contrast  
Similarities  
Differences  
Distinguish between  
Differentiate



# Double Bubble Map Example

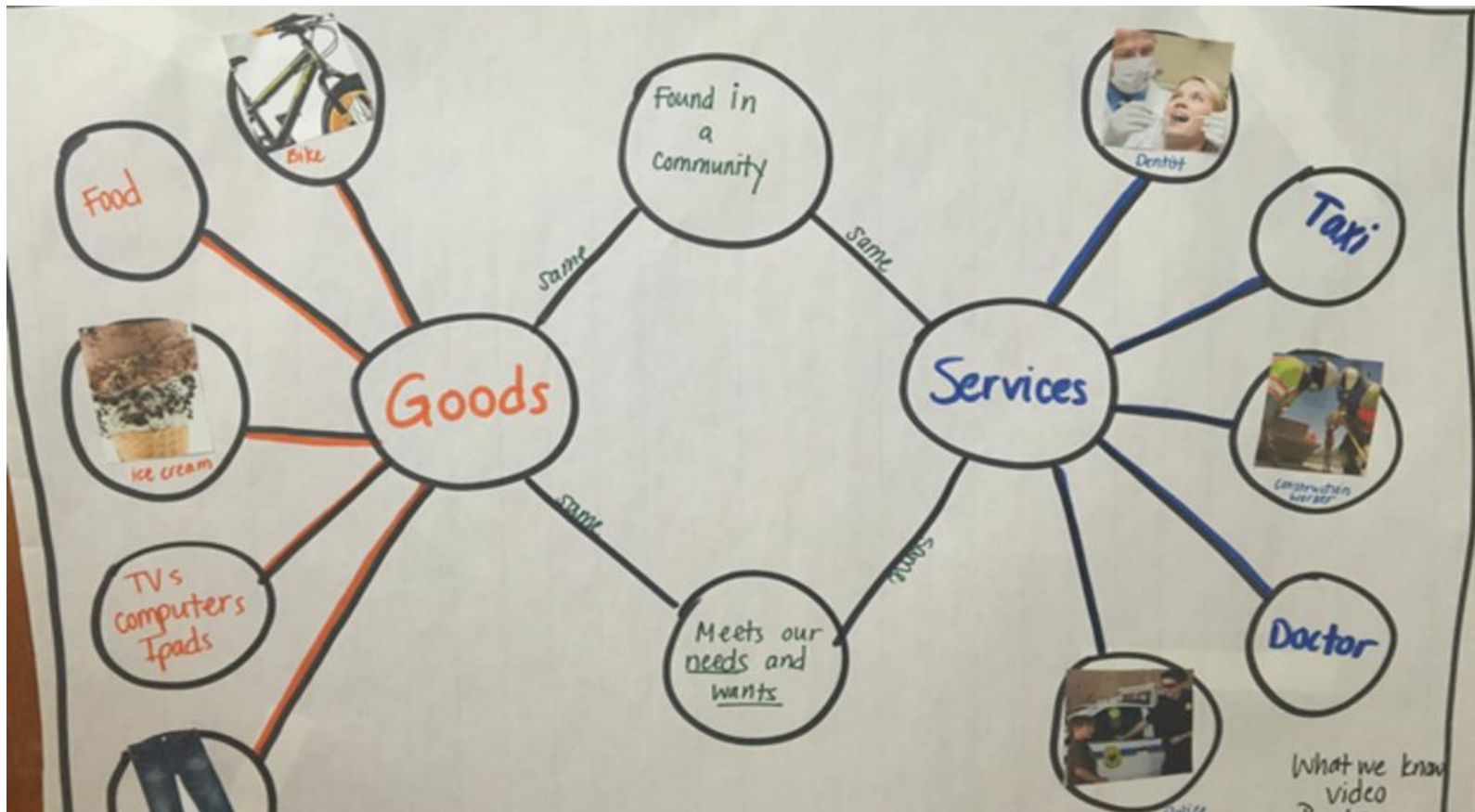
## Social Studies Grade 1





# Double Bubble Map Example

## CRS Special Education

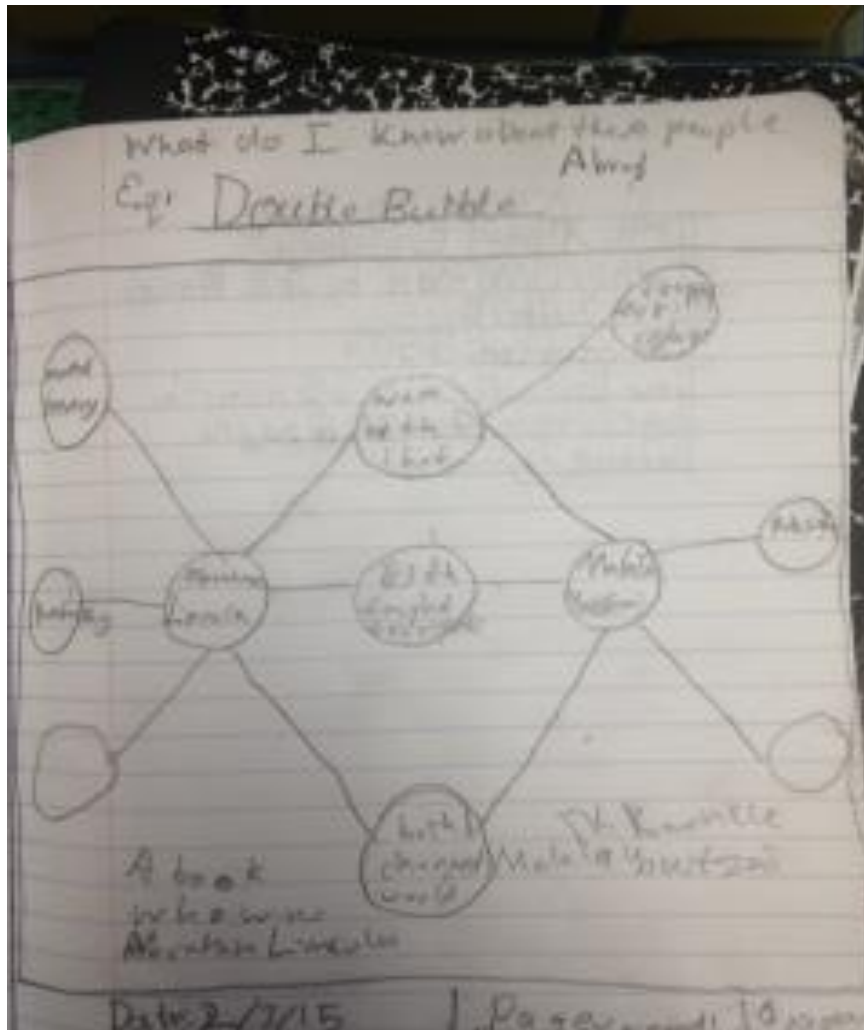






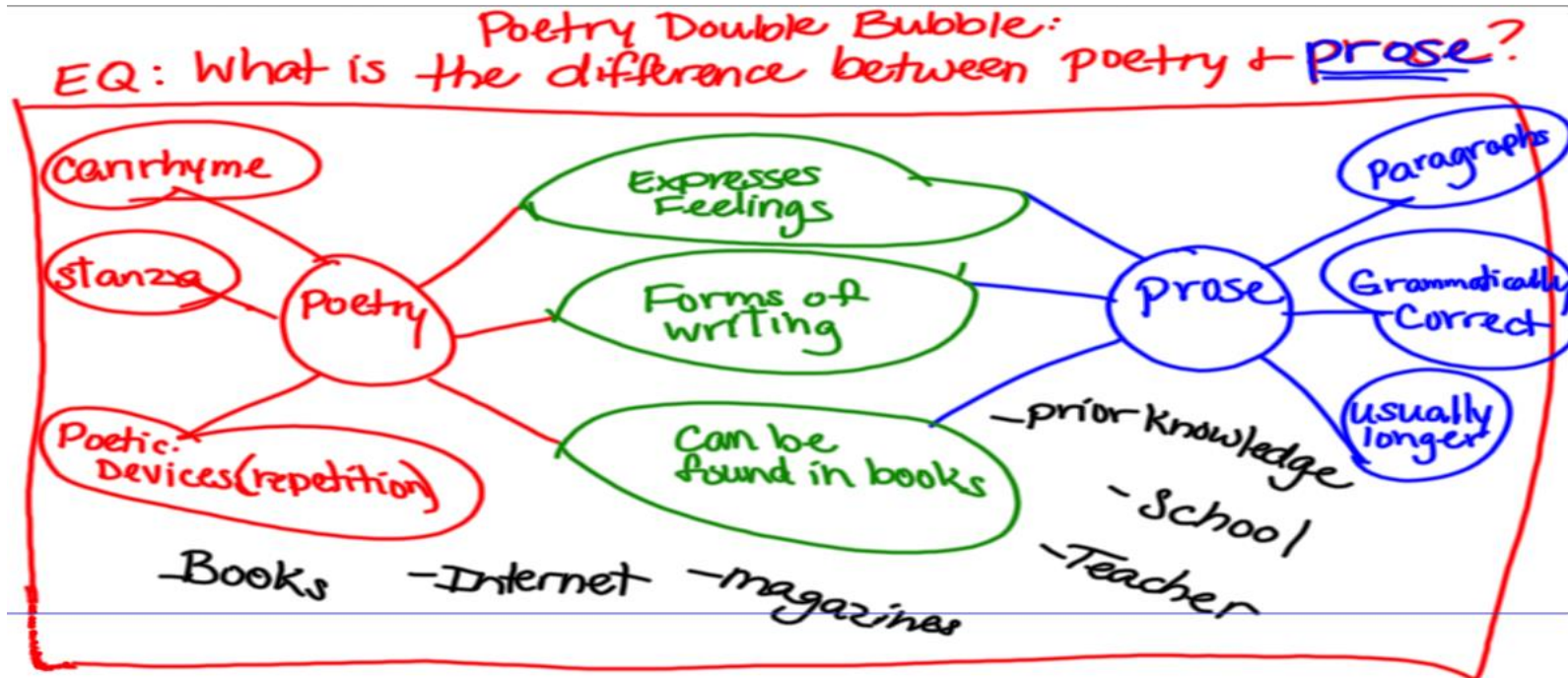
# Double Bubble Map Example

## ELA Grade 4



# + Double Bubble Example

## ELA Grade 6

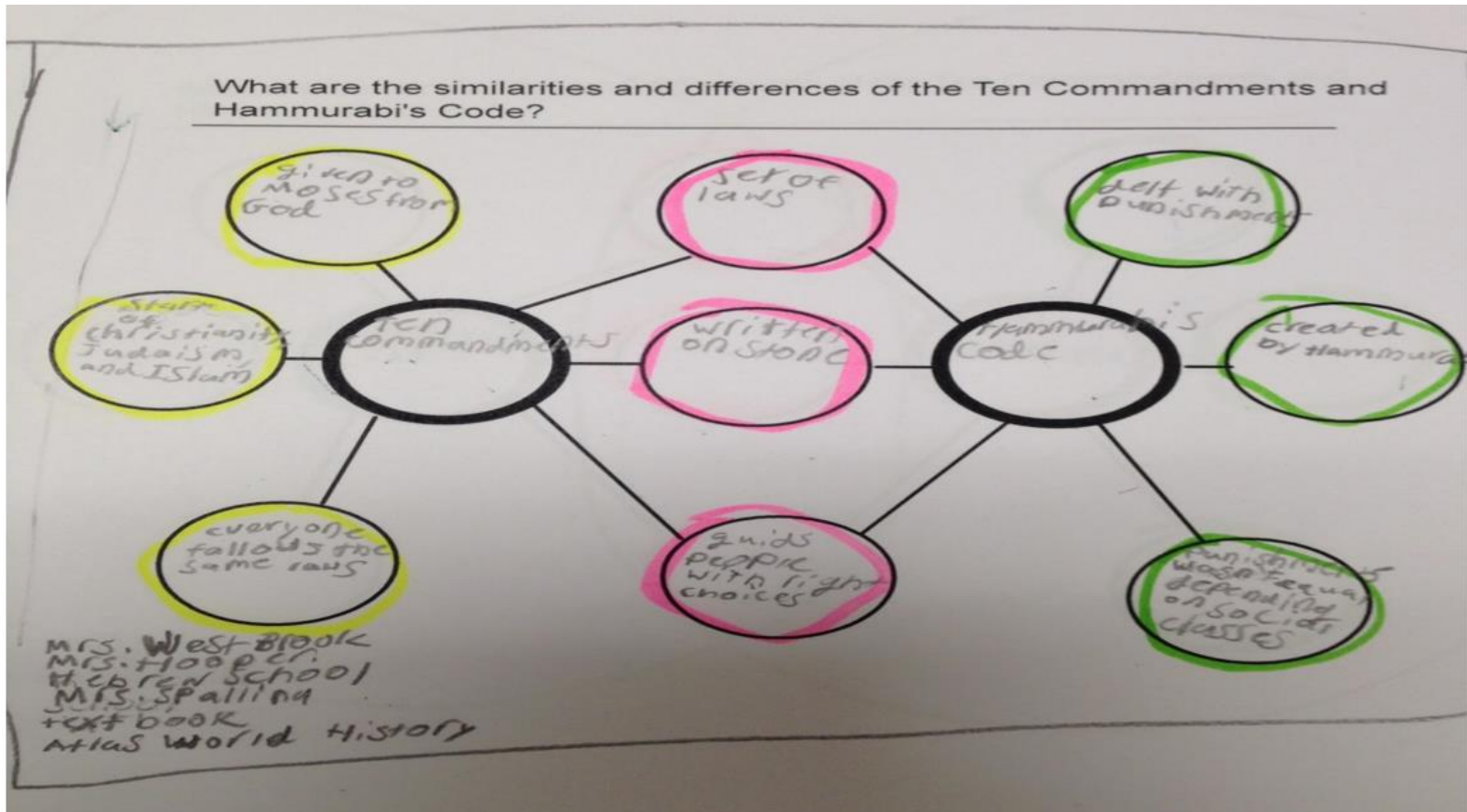






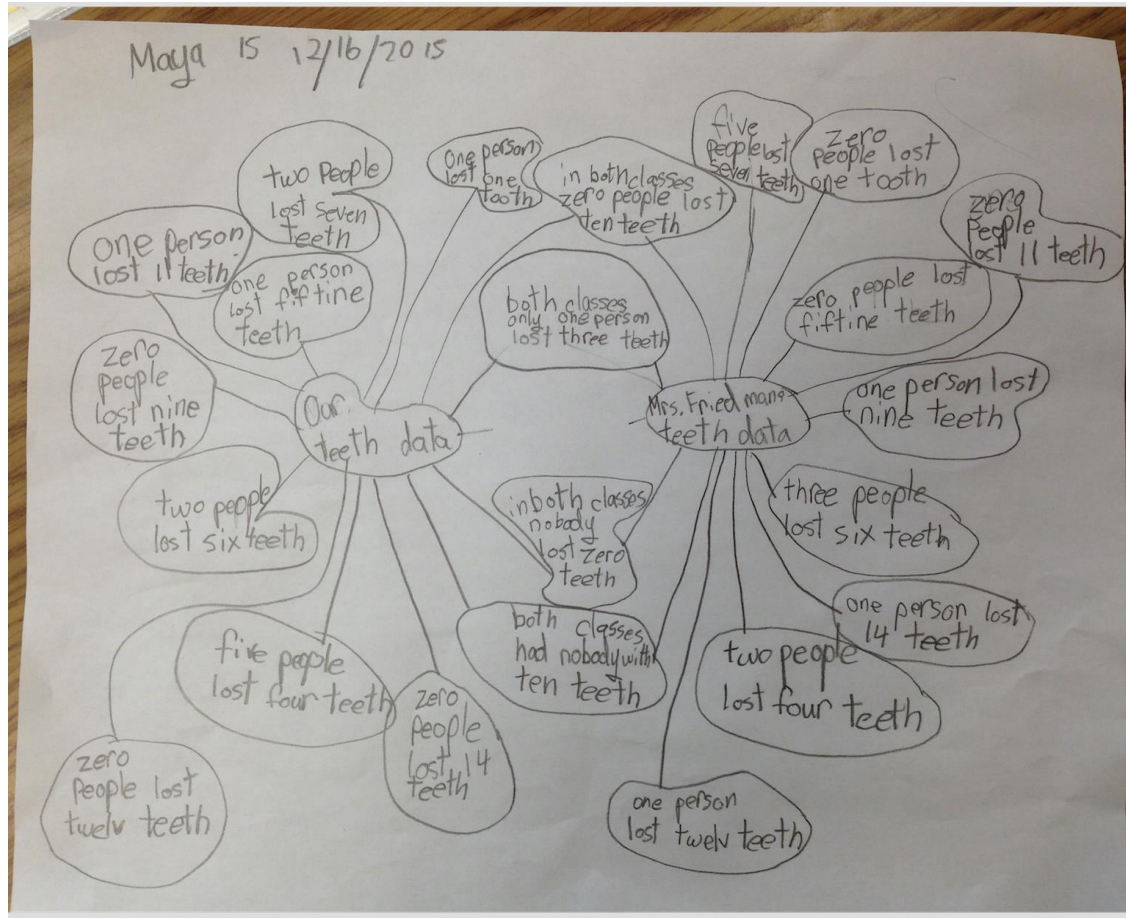
# Double Bubble Map Example

## Social Studies Grade 6



# Double Bubble Map Example

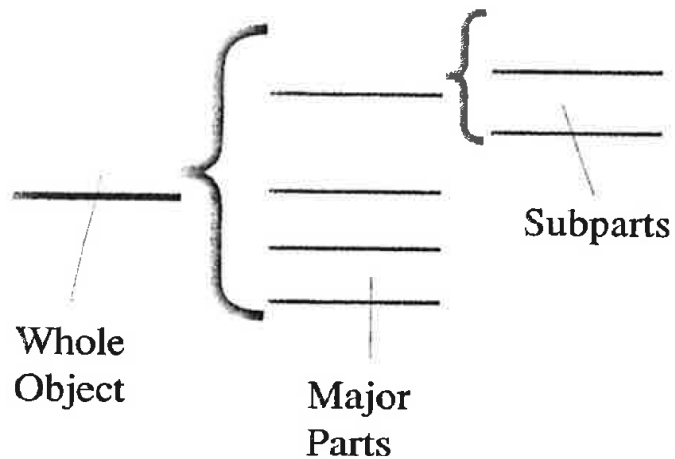
## Mathematics Grade 2



# + Brace Map

## **BRACE MAP**

Use this map for  
WHOLE TO PART RELATIONSHIPS

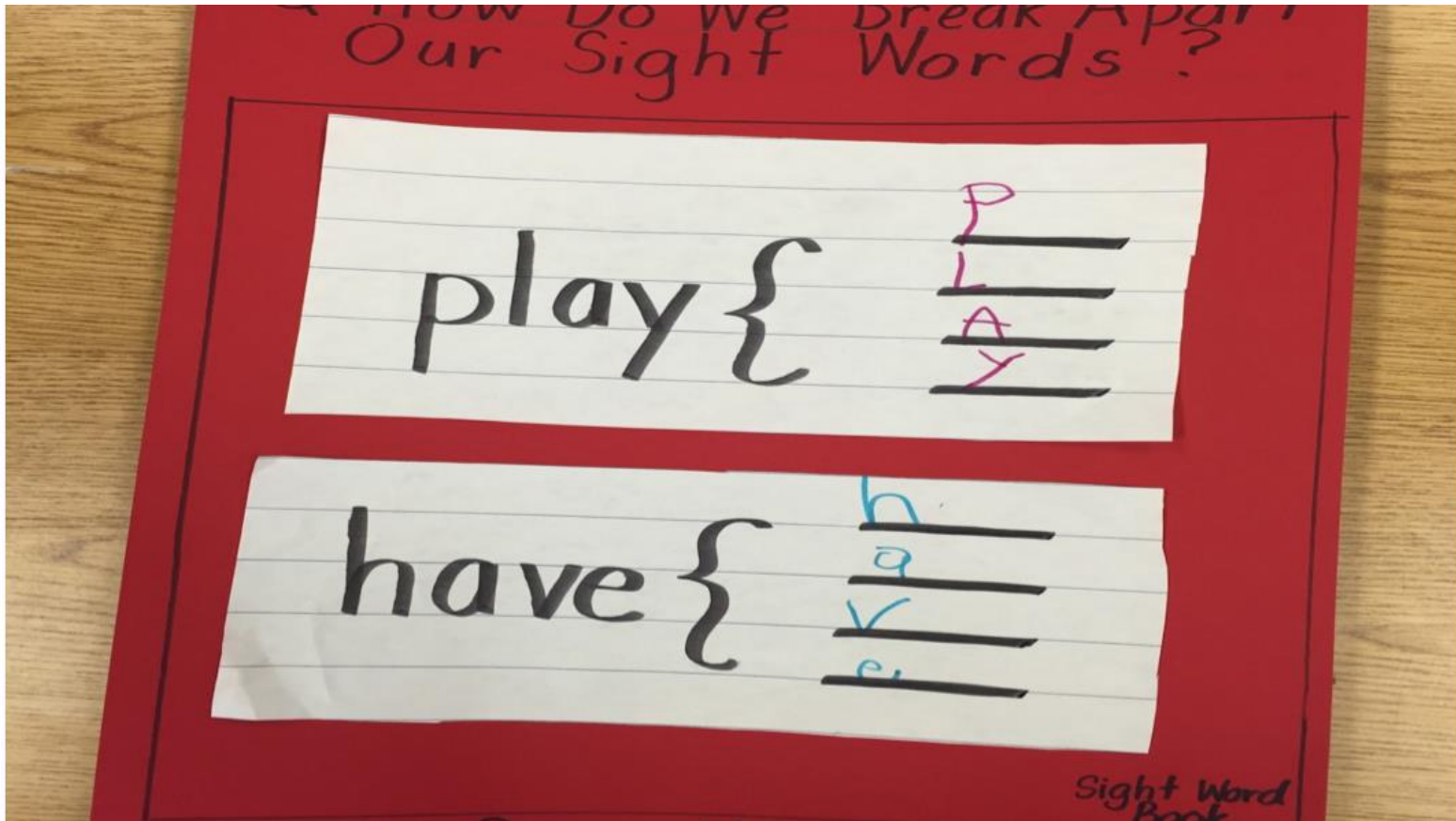


### Key Words

Parts of  
Show the Structure  
Take Apart  
Identify the Structure  
Physical Components  
Anatomy

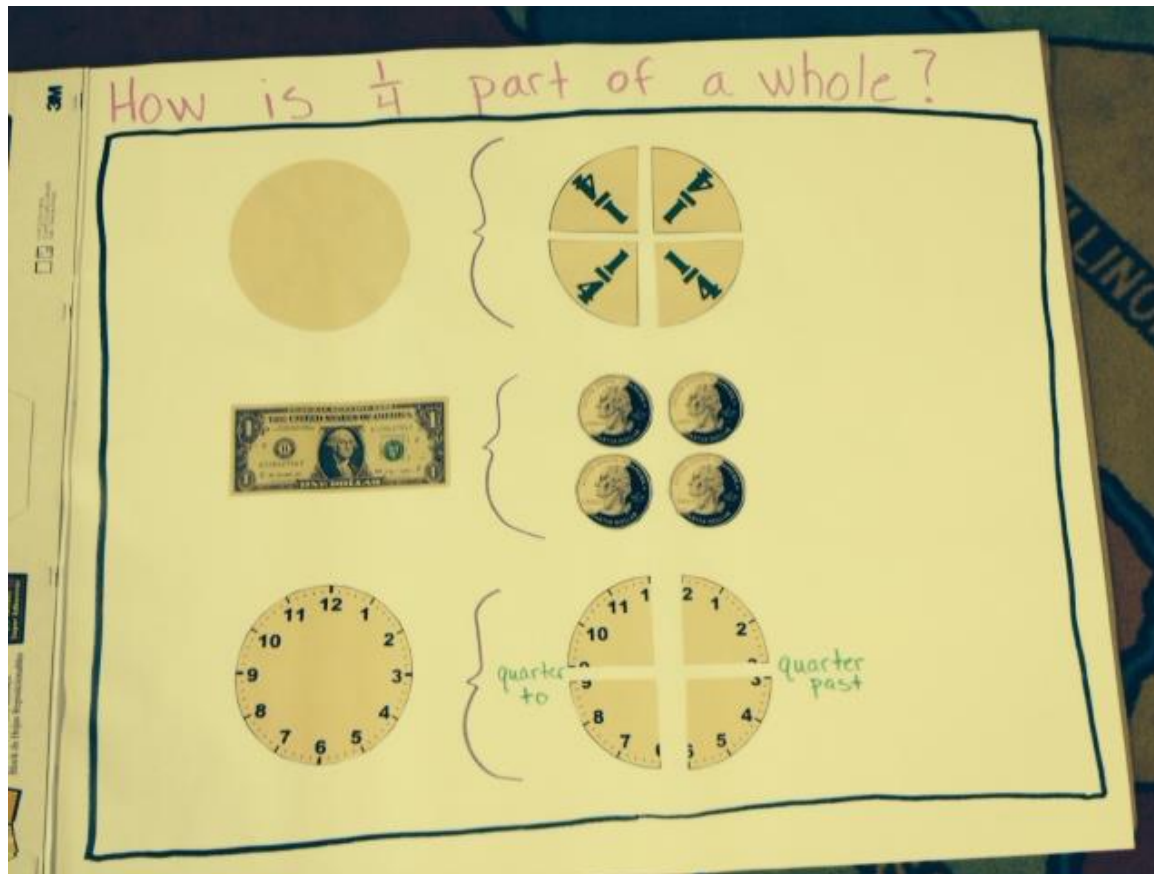
# + Brace Map Example

## ELA Kindergarten



# + Brace Map Example

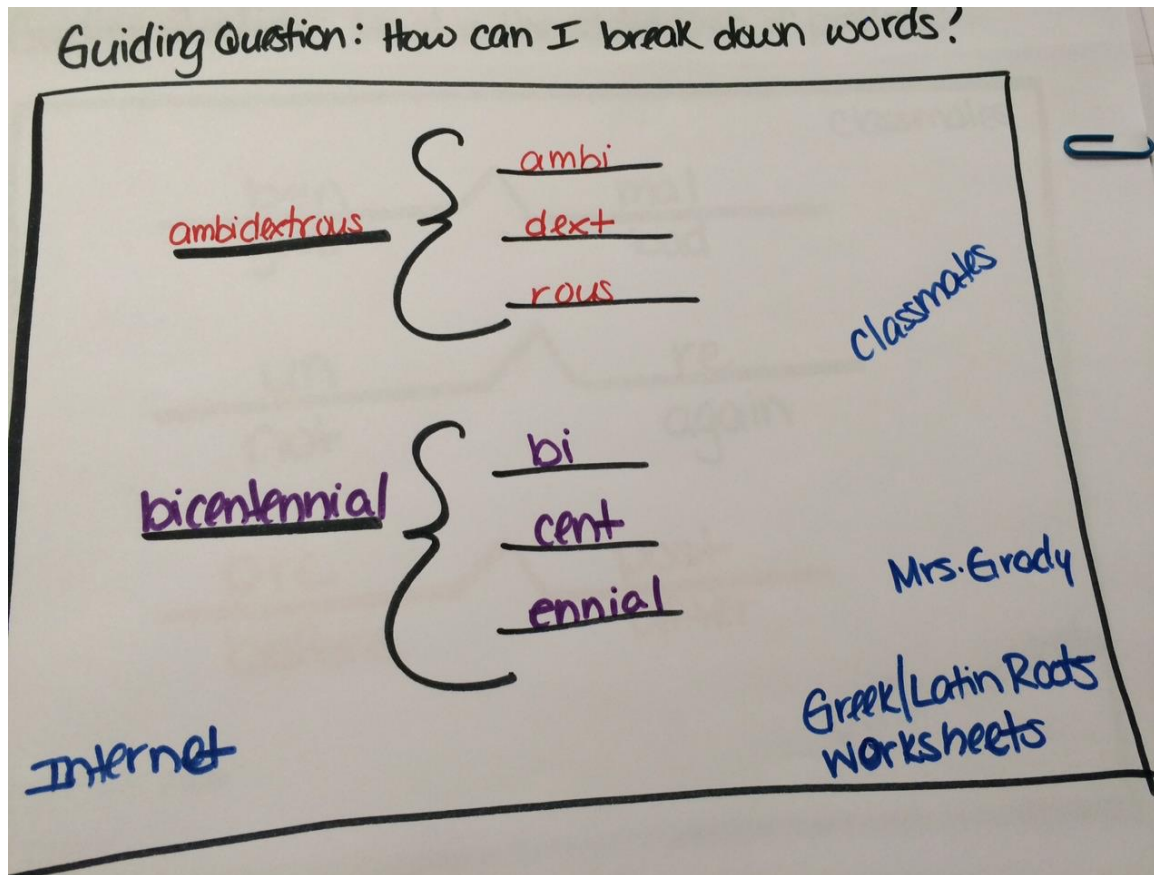
## Mathematics Grade 2





# + Brace Map Example

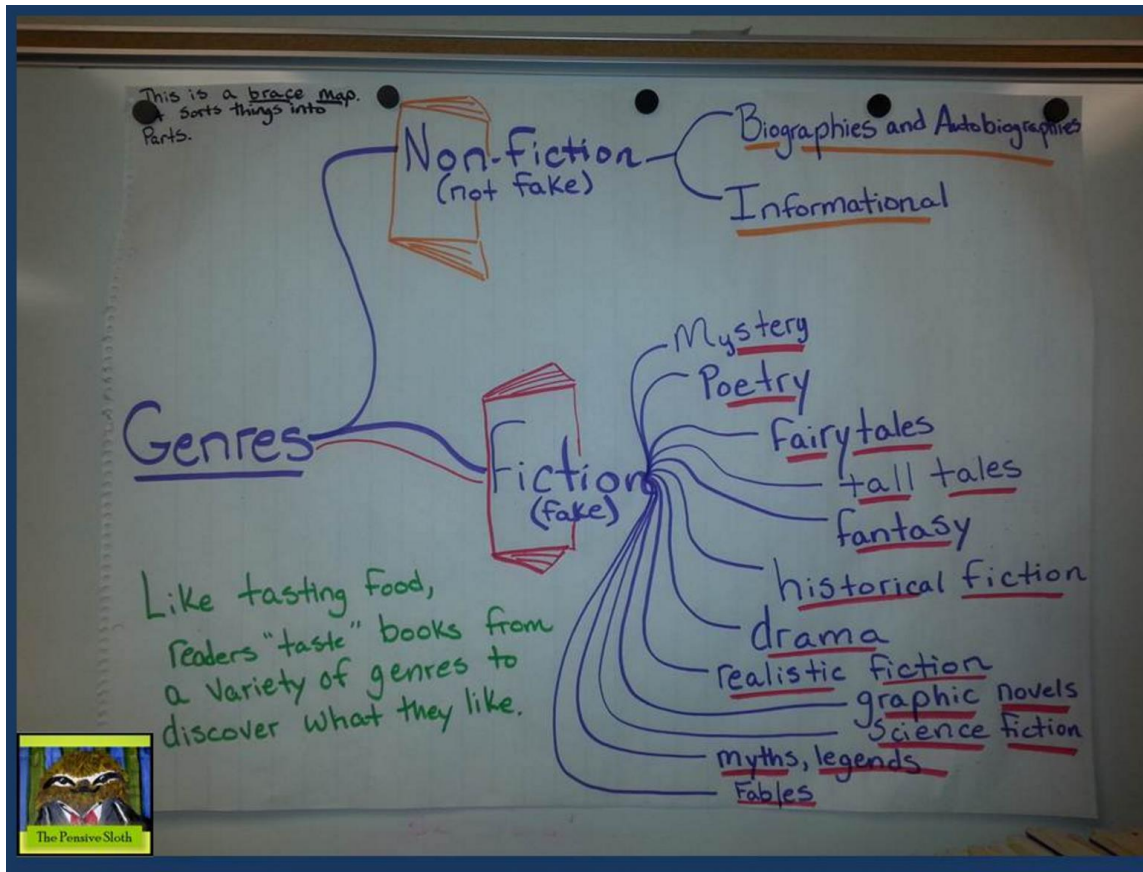
## ELA Grade 7





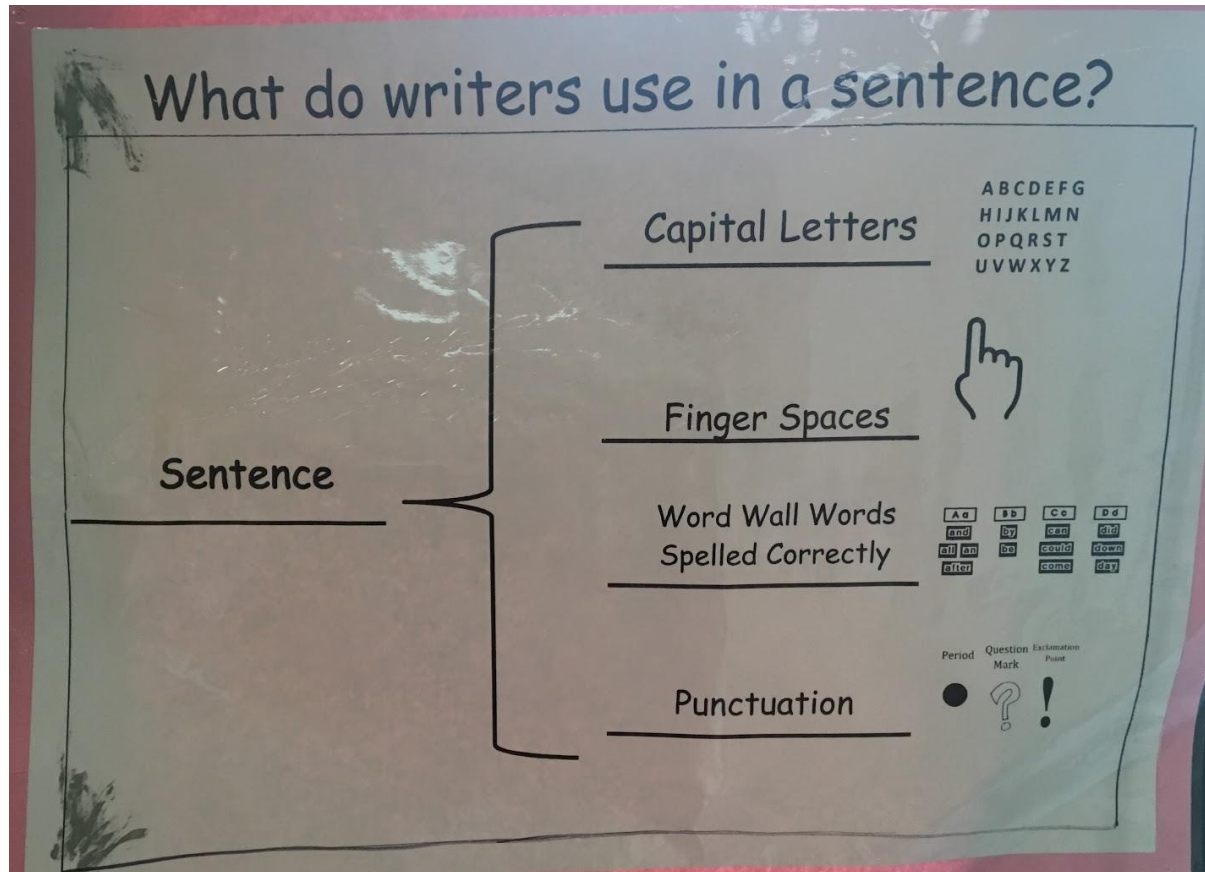
# + Brace Map Example

## ELA Grade 7



# + *Brace Map Example*

## *ELA Grade 1*

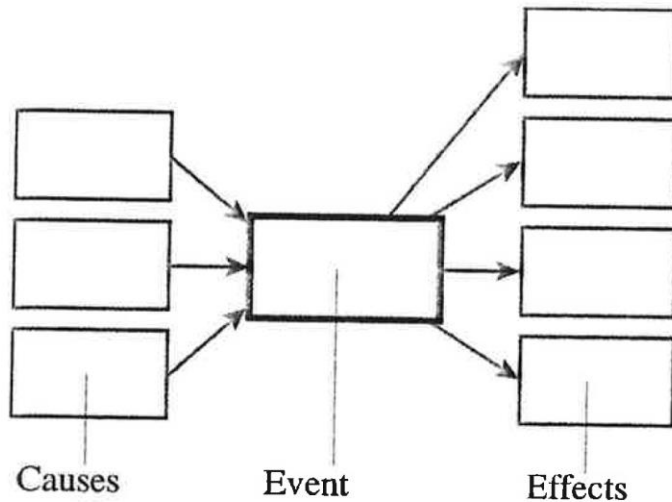




# Multi-Flow Map

## MULTI-FLOW MAP

Use this map for  
CAUSE AND EFFECT



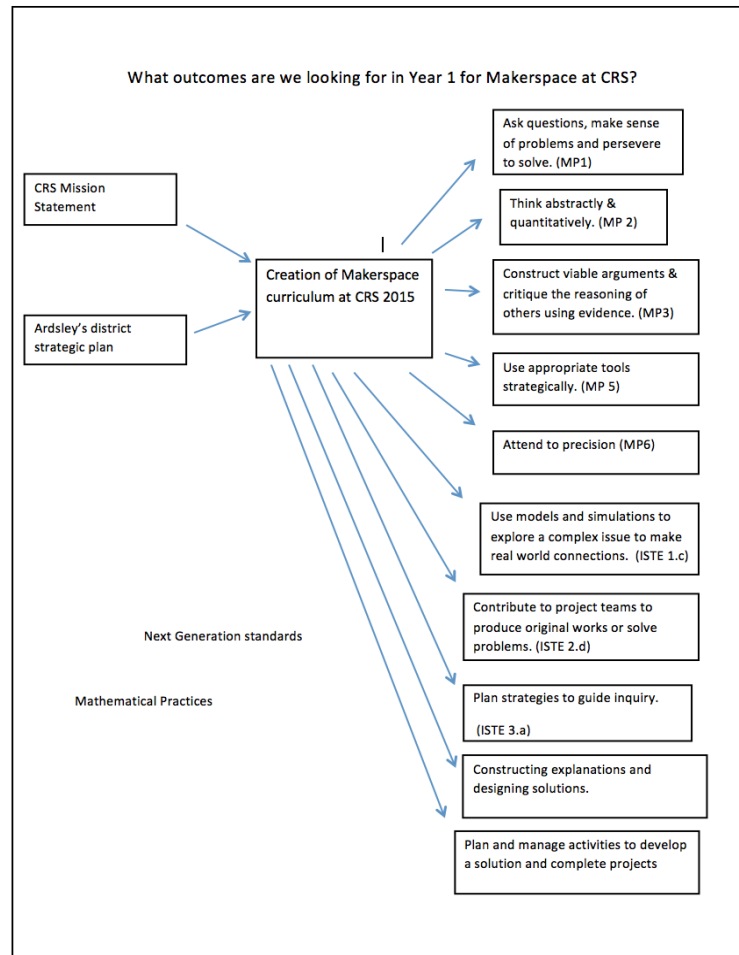
### Key Words

Causes and Effects  
Discuss the Consequences  
What would happen if?  
If . . . Then  
Predict  
Describe the Change  
Identify the Motivation  
Behind  
Identify the Results of  
What happened because of?



# Multi-Flow Map Example

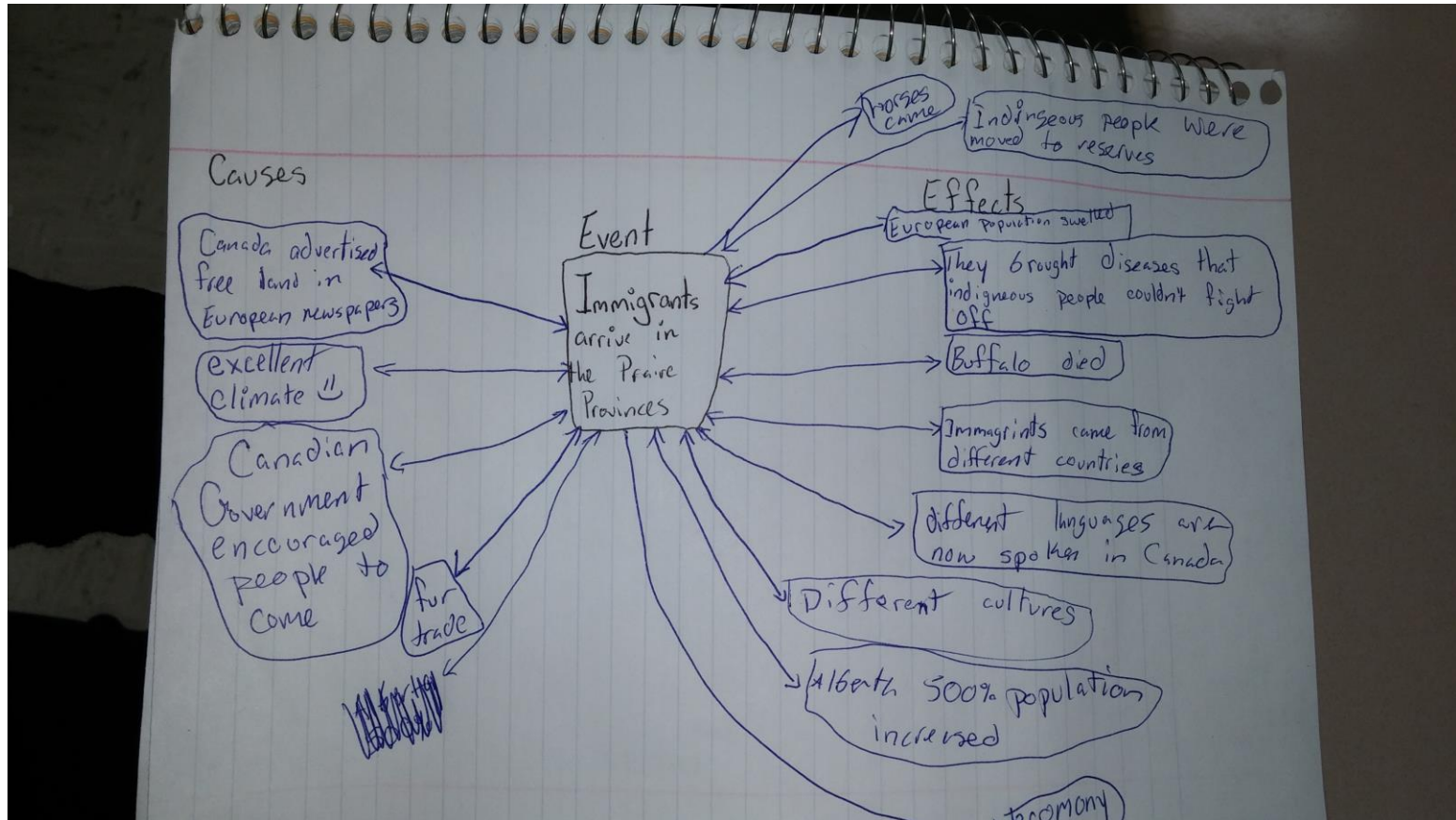
## CRS Administrators





# Multi-Flow Map Example

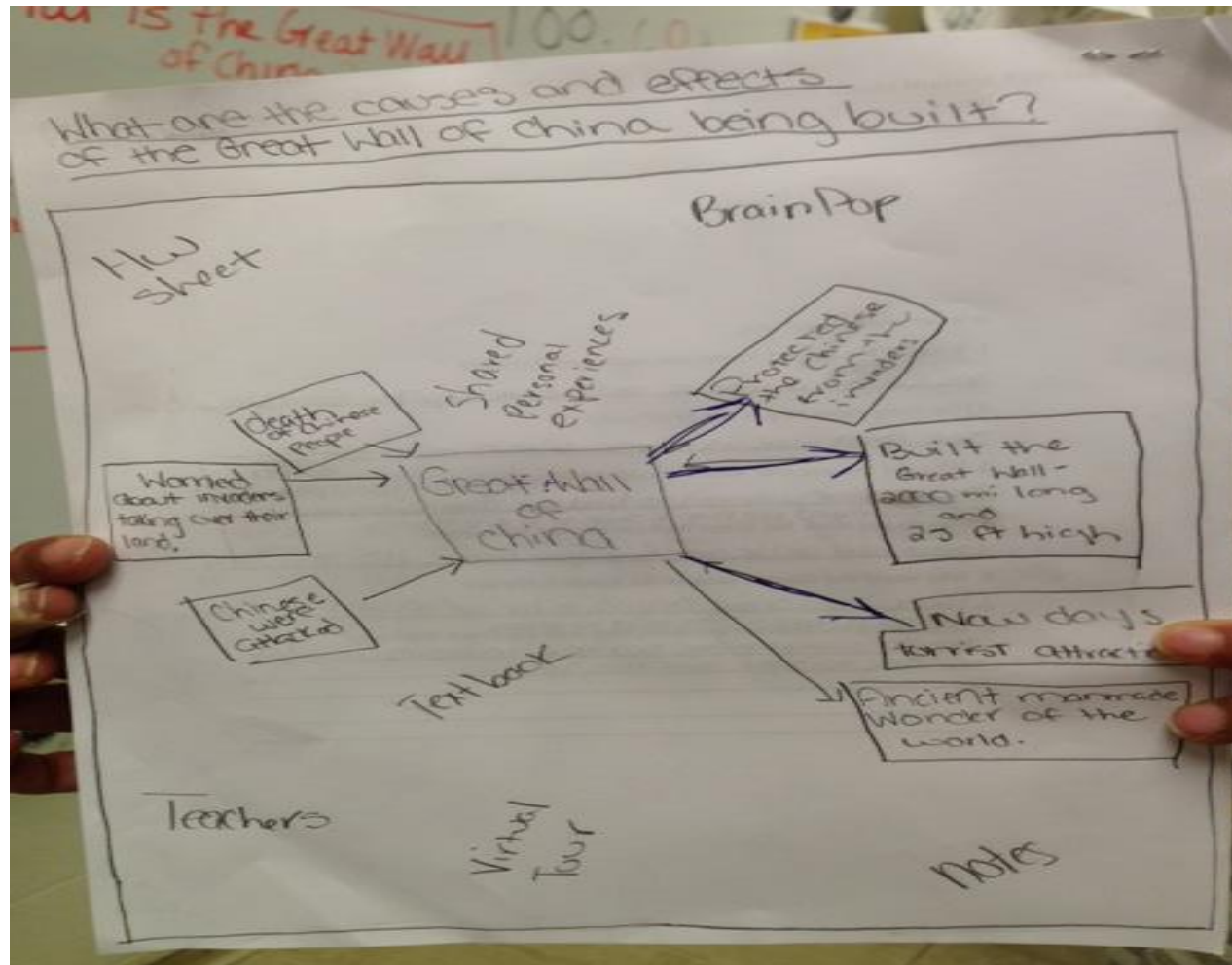
## Social Studies Grade 5





# + Multi-Flow Map Example

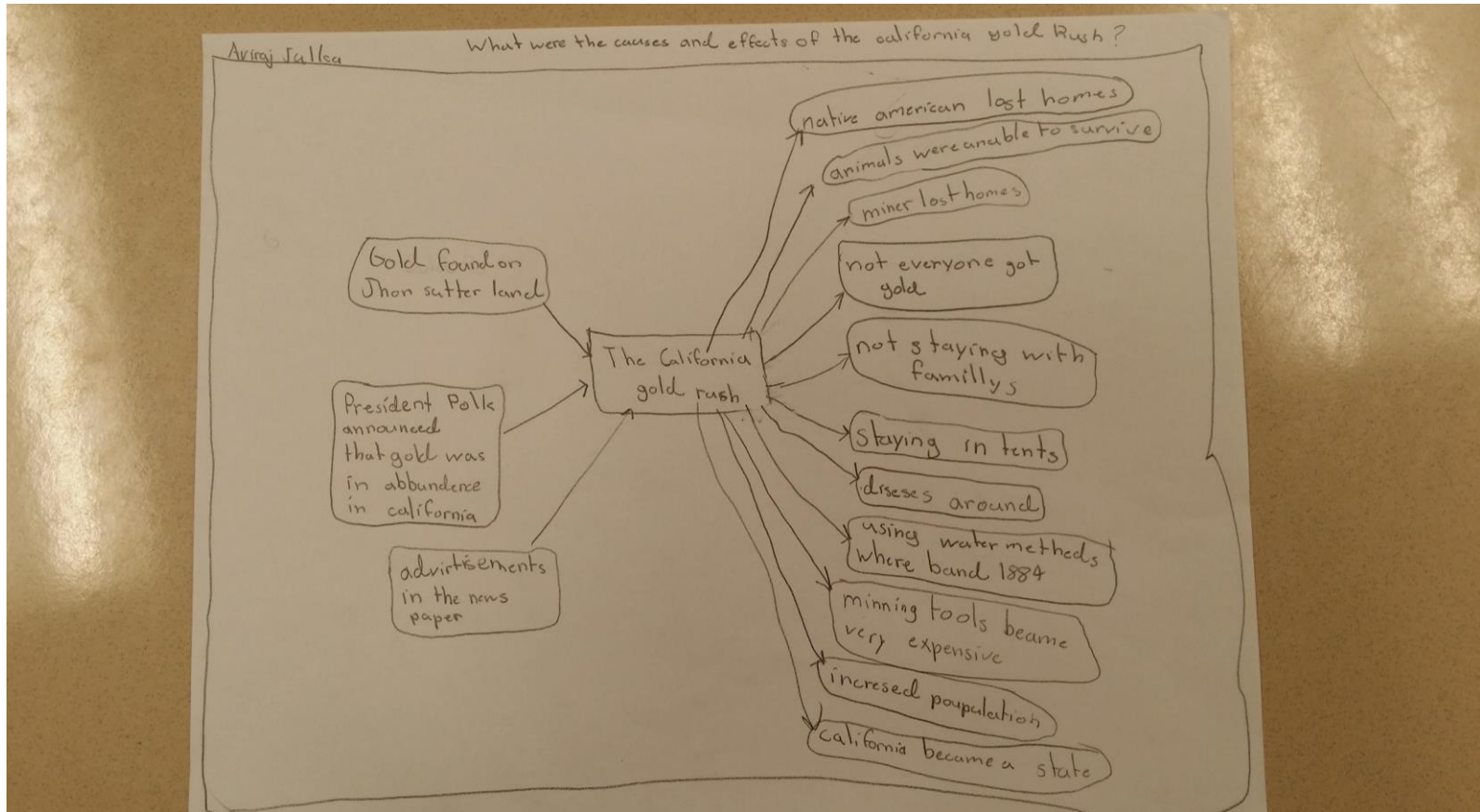
## Social Studies Grade 6





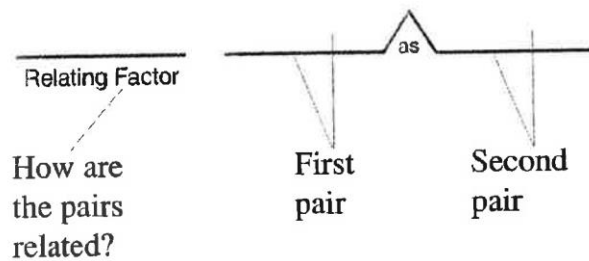
# + Multi-Flow Example

## Social Studies Grade 5



# + Bridge Map

## Map Memo

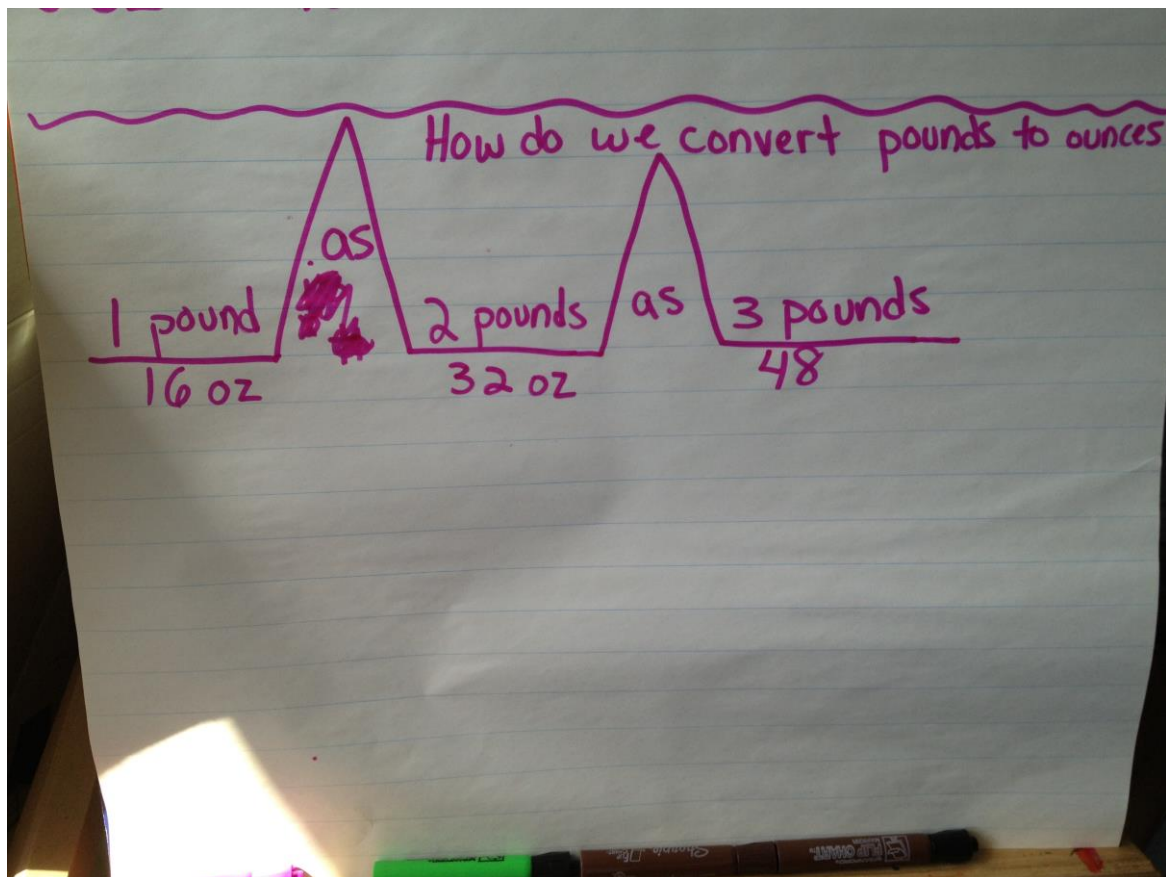


### Key Words

Identify the Relationship  
Guess the Rule  
Symbolism  
Metaphor  
Allegory  
Analogy  
Simile

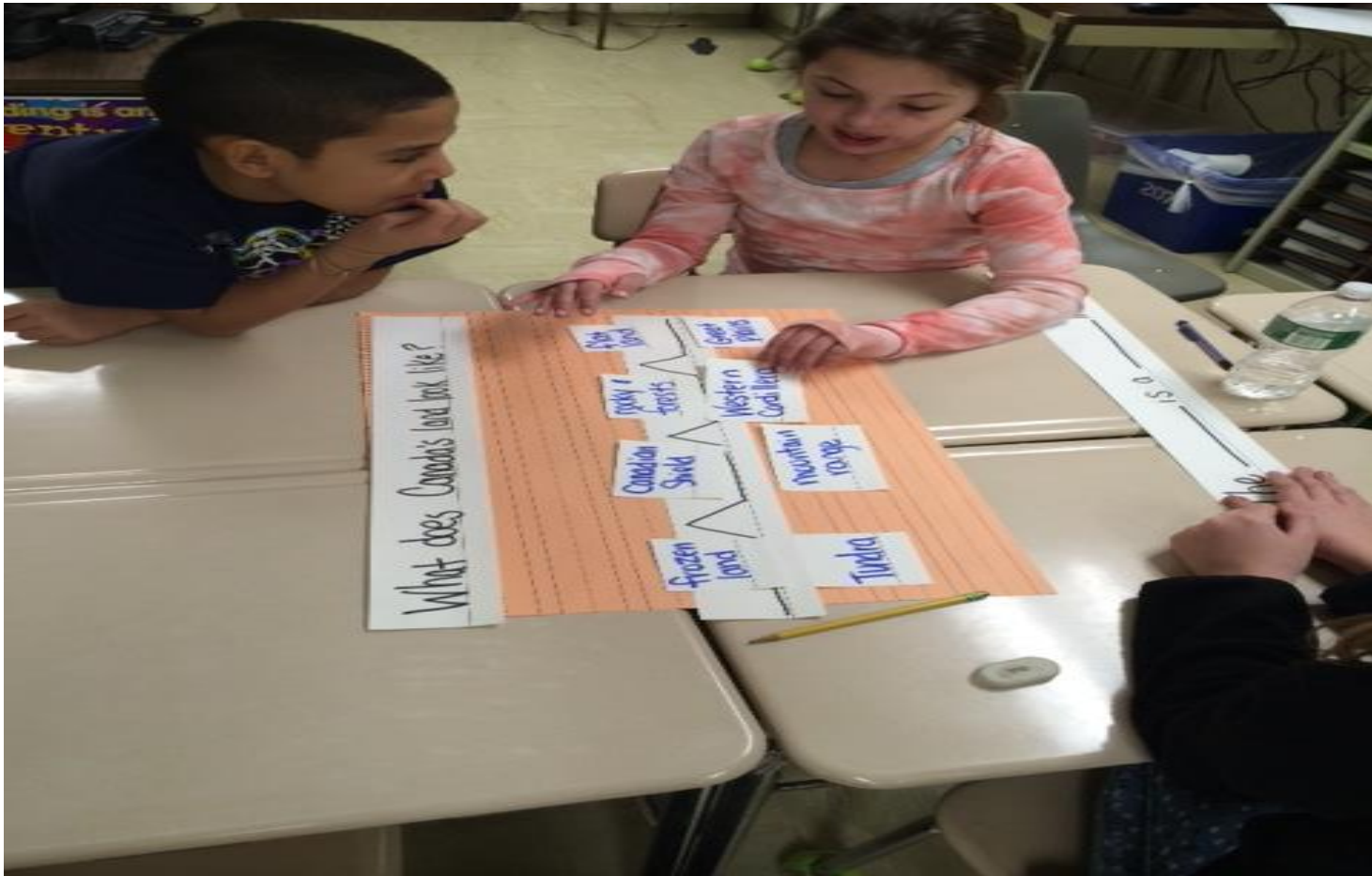
# + Bridge Map Example

## Mathematics Grade 4



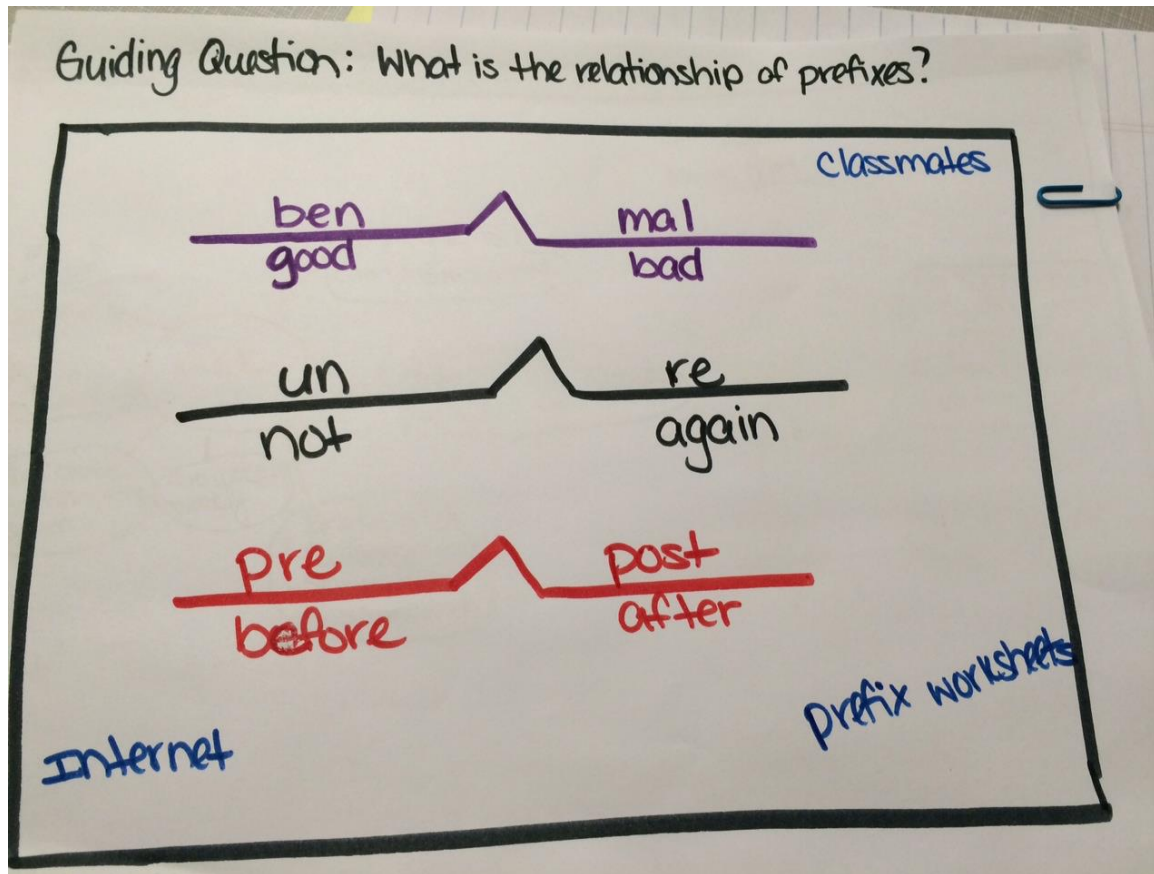
# + Bridge Map Example

## Social Studies Grade 5



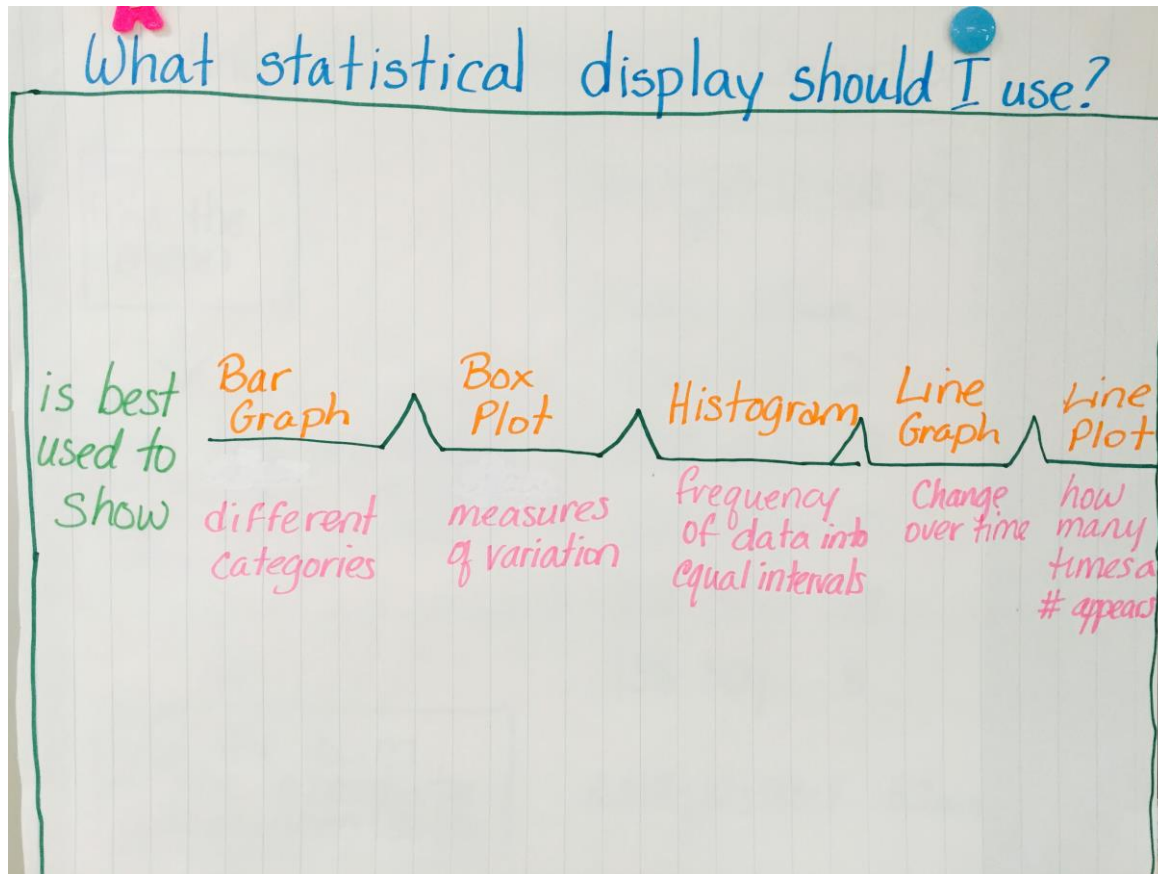
# + Bridge Map Example

## ELA Grade 6



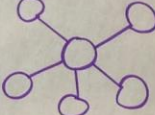

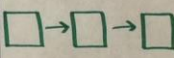
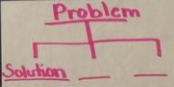
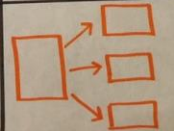


# + Bridge Map Example



# + Curriculum Planning

## Grade 4

Informational Text Structures				
Structure	Defined	Clues	Visual	Example
Description	Text provides details or characteristics of something.	<ul style="list-style-type: none"> <li>• Adjectives</li> <li>• Characteristics</li> <li>• Examples</li> <li>• Mental Image</li> </ul>		Ice cream is a frozen, sugary sweet delicacy. The treat comes in flavors like vanilla.
Compare + Contrast	The text talks about similarities and differences between people, places, things, etc.	<ul style="list-style-type: none"> <li>• Same/Different</li> <li>• Both, neither</li> <li>• In contrast</li> <li>• On the other hand</li> </ul>		Although both ice cream and veggies are food, ice cream is less healthy and eaten as dessert. Veggies, however, are a side dish to a meal.
Order + Sequence	The text outlines chronological events or a list of steps in a procedure.	<ul style="list-style-type: none"> <li>• Order of events</li> <li>• History</li> <li>• Instructions</li> <li>• Steps</li> <li>• Signal Words</li> </ul>		Want delicious ice cream? First, scoop it into a bowl. Then, top it with goodies like sprinkles. Finally, grab a spoon and enjoy!
Problem + Solution	The text gives information about a problem and explains one or more solutions.	<ul style="list-style-type: none"> <li>• Problem</li> <li>• Solution</li> </ul>		If your ice cream melts before you finish it, put it back into the freezer.
Cause + Effect	The text describes an event (cause) and the effects that follow.	<ul style="list-style-type: none"> <li>• Cause</li> <li>• Effect</li> <li>• if/then</li> <li>• because</li> <li>• as a result</li> <li>• due to</li> </ul>		If melted ice cream gets on your hand, your skin will be sticky.



# And a final word from our students...



- “All of my teachers use Thinking Maps and are impressed that I already knew them.”
- “The Thinking Maps are helping! I get to teach Mrs. Clohessy how to use them (Olivia does, too!).”
- “I was just starting to think and start writing my Christmas list, and it made me think. As I was thinking I thought about the maps we learned last year. So, I ended up making a Circle Map to brain storm ideas. The best part was that I learned it from the best teacher in the whole wide world...”