

Today's Objectives

David's presentation on Thinking Maps

Learners will practice using Thinking Maps

The learner will use a variety of Thinking

Maps to organize

their thoughts.

Learners will use Thinking Maps to answer questions

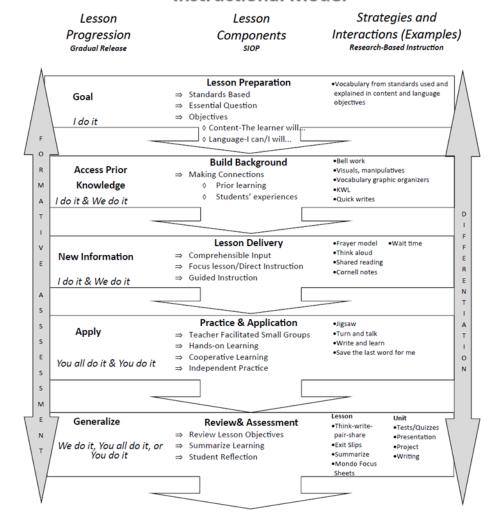
Students critical thinking will increase

Instructional Model

Lesson Strategies and Lesson Components Interactions (Examples) Progression **Lesson Preparation** Goal ⇒ Standards Based ⇒ Essential Question I do it ⇒ Objectives Content-The learner will. Language-I can/will **Access Prior Build Background** ⇒ Making Connections Knowledge Prior learning I do it & We do it Students' experiences **Lesson Delivery New Information** ⇒ Comprehensible Input ⇒ Focus lesson/Direct Instruc-I do it & We do it Apply Practice & Application ⇒ Teacher Facilitated Small Groups You all do it & You do it ⇒ Hands-on Learning ⇒ Cooperative Learning Generalize Review& Assessment We do it, You all do it, or ⇒ Review Lesson Objectives You do it ⇒ Summarize Learning ⇒ Student Reflection

12-13

Instructional Model



Student Learning, Data Analysis, Reflection, Pre-Assessment and Planning



16 years in Teaching; 10 in the classroom, 5 as District Coordinator, and 1 semester with WSU

Enjoy CrossFit, Skiing, & Running Enjoy Baking & Cooking



Married to Melissa (BSN)

David Wolff

Mentor for MN Adult

and Teen Challenge

Father to Elliot (6th) and Chloe (2nd) Puppy named Lizzy



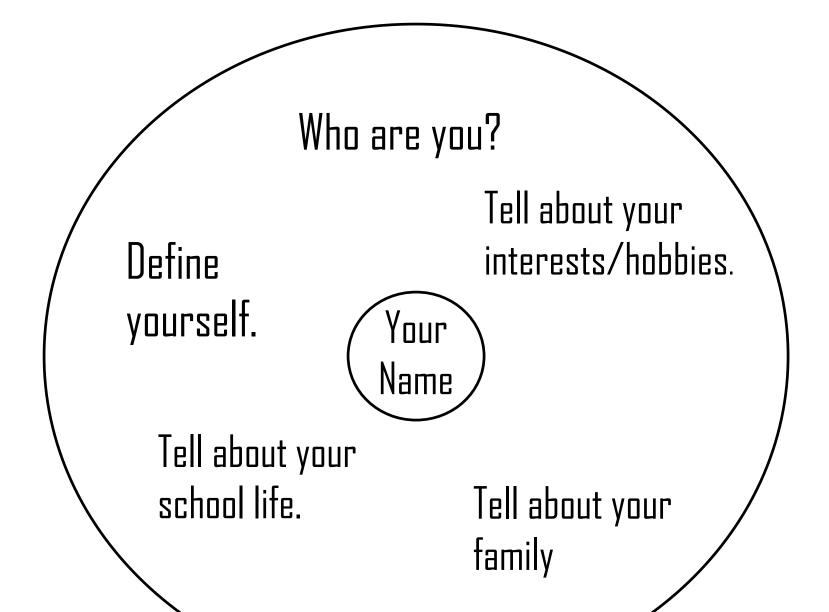
Serve on MEGT Board of Directors



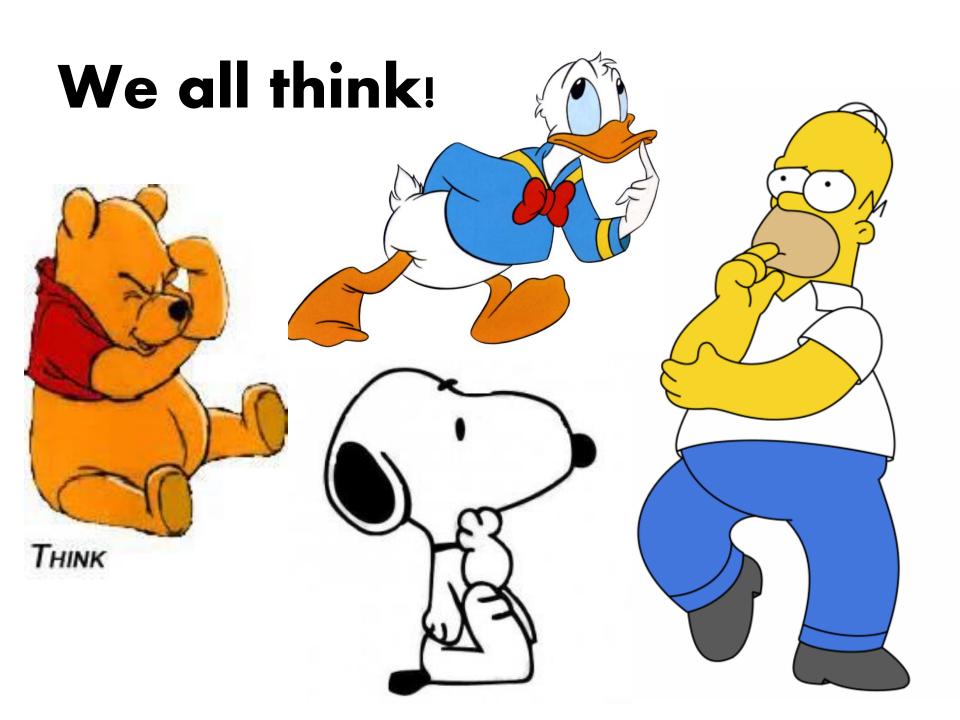
Serve on Math Masters of MN Board of Directors

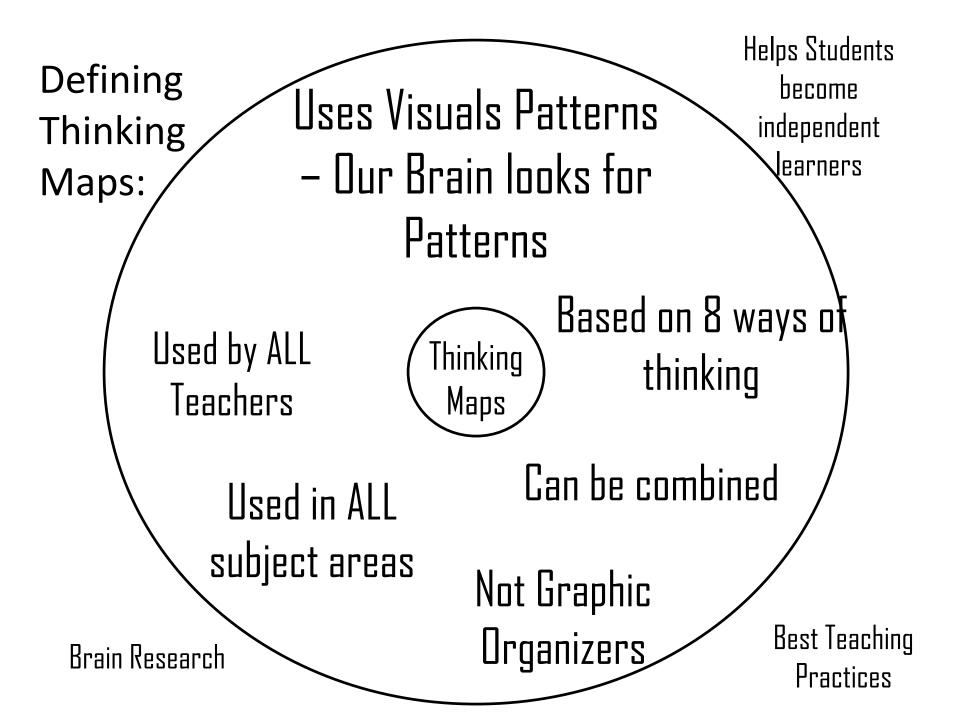
Leader for Children's Ministry at Cornerstone Church



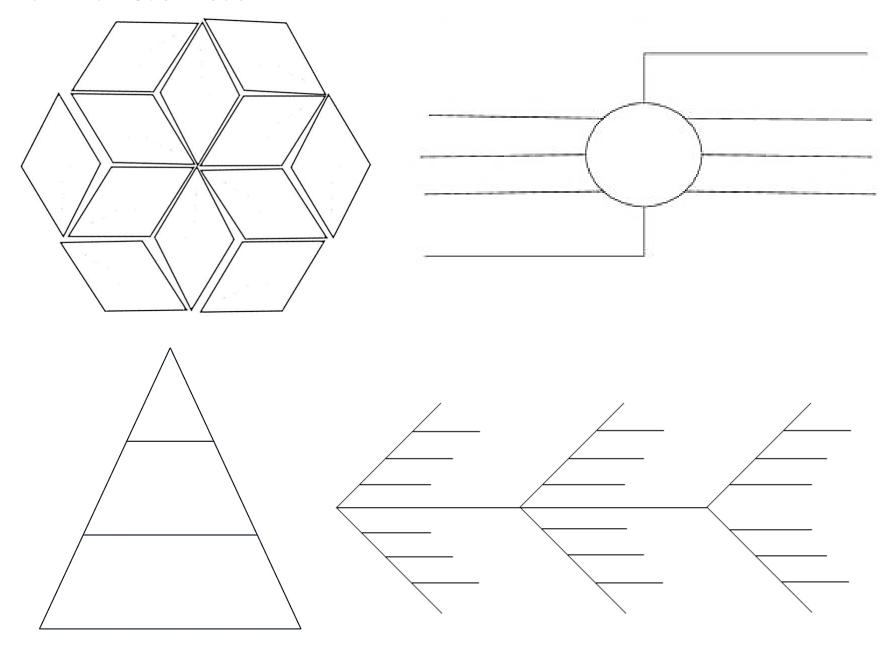


WHAT ARE THINKING MAPS?





How do I use these?



How do I use this?

Writing Ideas Topic organizer Showtime! Plan a story. Topic: Main idea: Detail: Detail: 000000 Bonus: Use your plan to write a story. 000000 O'The Mailbox" - Teacher's Helper" - TEC46065 - June/July 2011

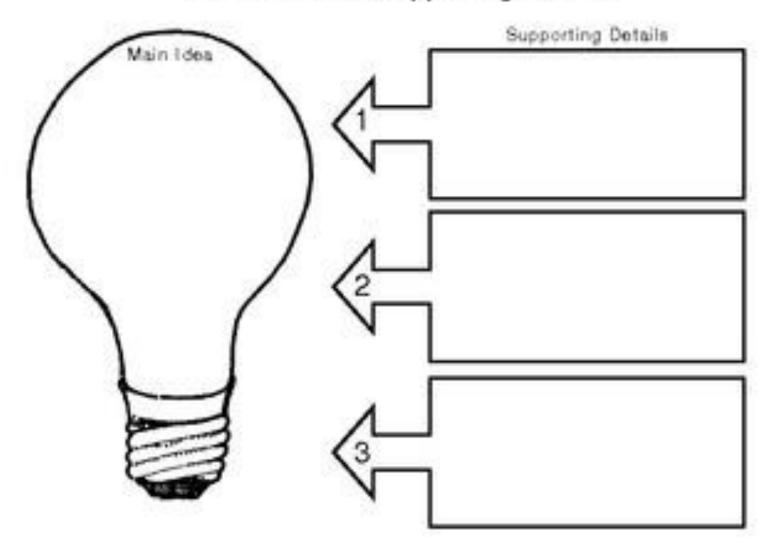
How do I use this? Read the story. In the puzzle pieces, write the important SETALS from the passage. Them, put ALL of the DETALS together to atternoon the MANDEAPTORE of the passage. Momentus, the DESPUS <u>seport</u> the HANIDEANDEC + Detai. Detail

Main Idea/ToriC

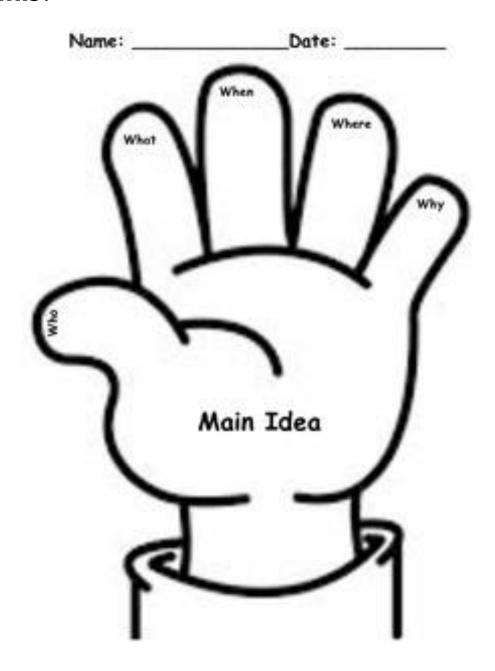
How do I use this?

Name_	Date

Main I dea with Supporting Details



How do I use this?



Relating Factor: Focuses on

Graphic Organizers

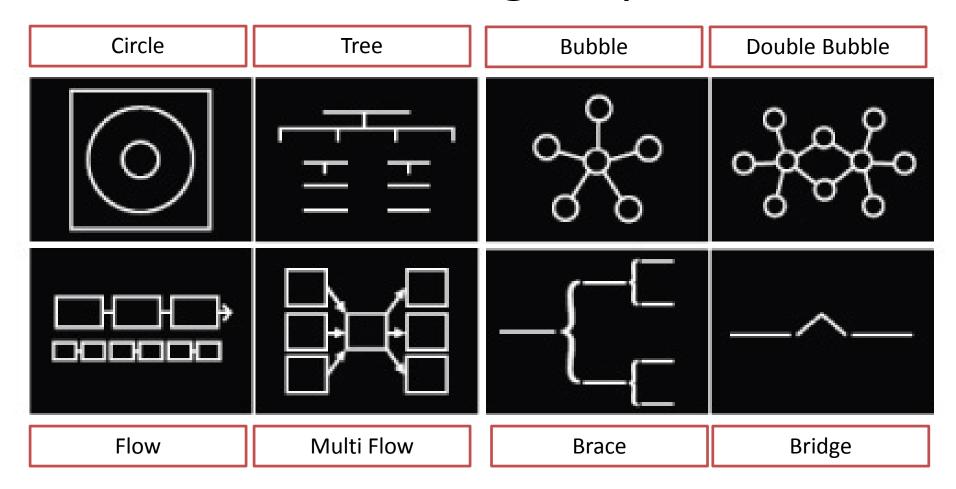
Thinking Maps

Product or what we turn in for a grade

Process or the first step to help us organize our ideas

OVERVIEW OF THINKING MAPS

8 Thinking Maps



Circle Map - Brainstorming or Defining a Context

Bubble Map - Describing

Double Bubble Map - Comparing & Contrasting

Tree Map - Classifying & Sorting

Brace Map - Analyzing Whole-Part Relationships

Flow Map - <u>Sequencing</u>

Multi Flow Map – <u>Analyzing Cause & Effect</u> <u>Relationships</u>

Bridge Map - <u>Seeing Analogies</u>

8 Thinking Maps

EXAMPLES OF THINKING MAPS

Rocks breaking down

Grand Canyon

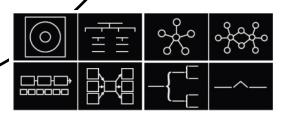


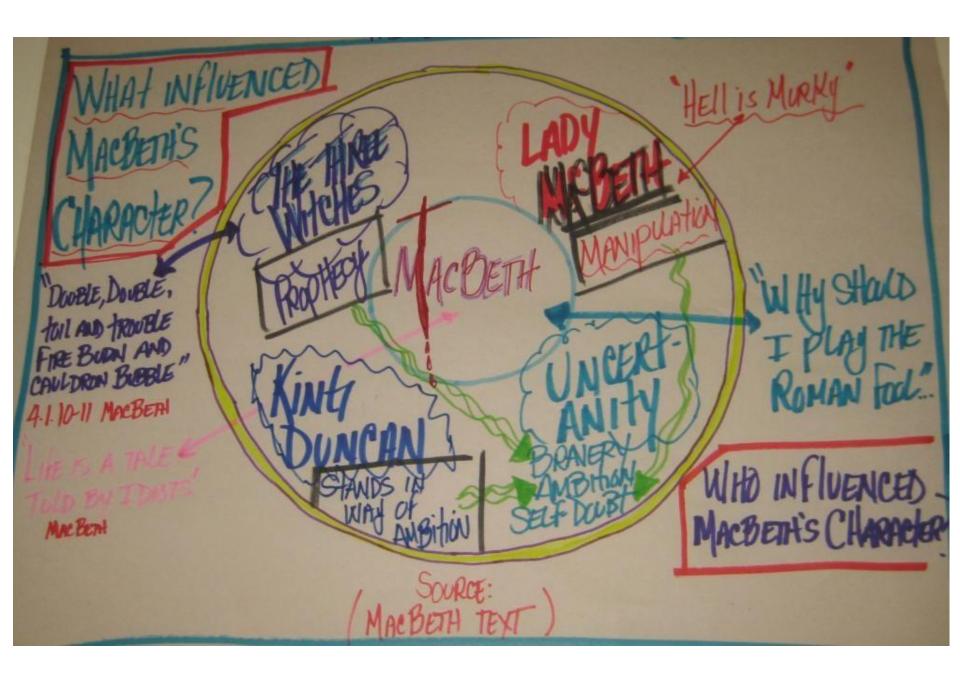
Because of water'

Erosion

Glaciers, rain, snow

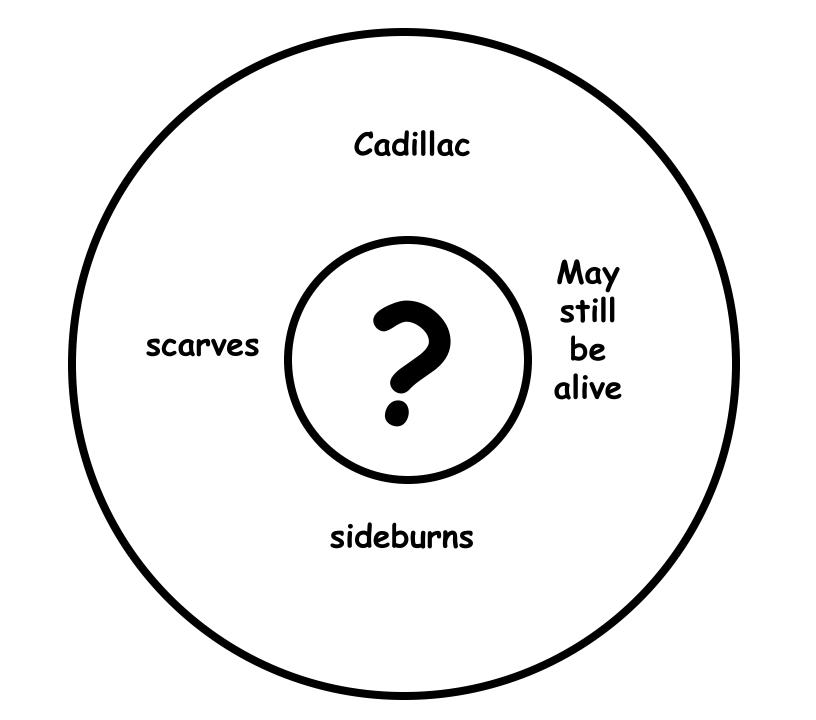
Changes rocks



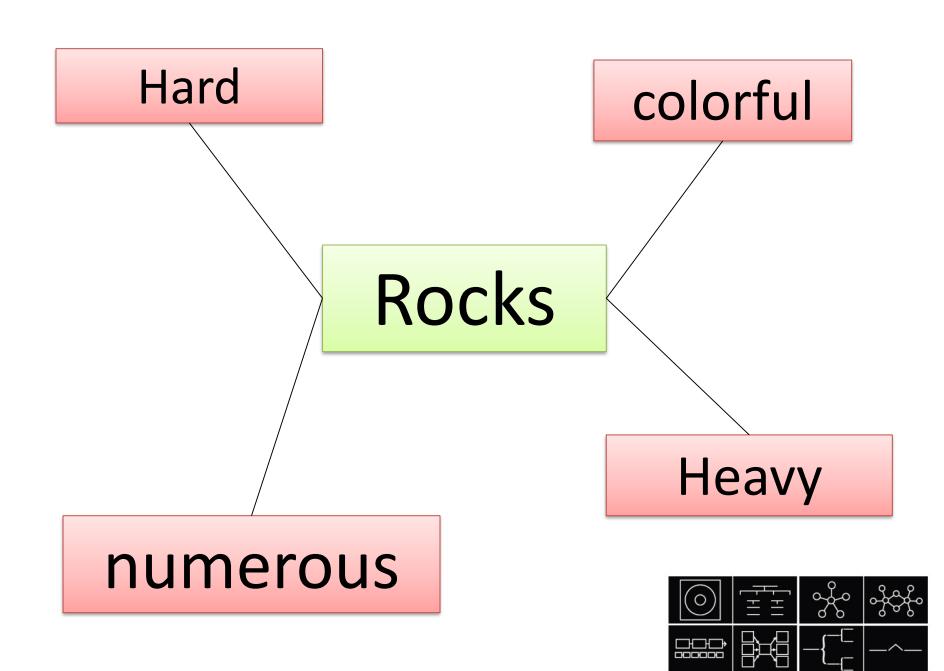


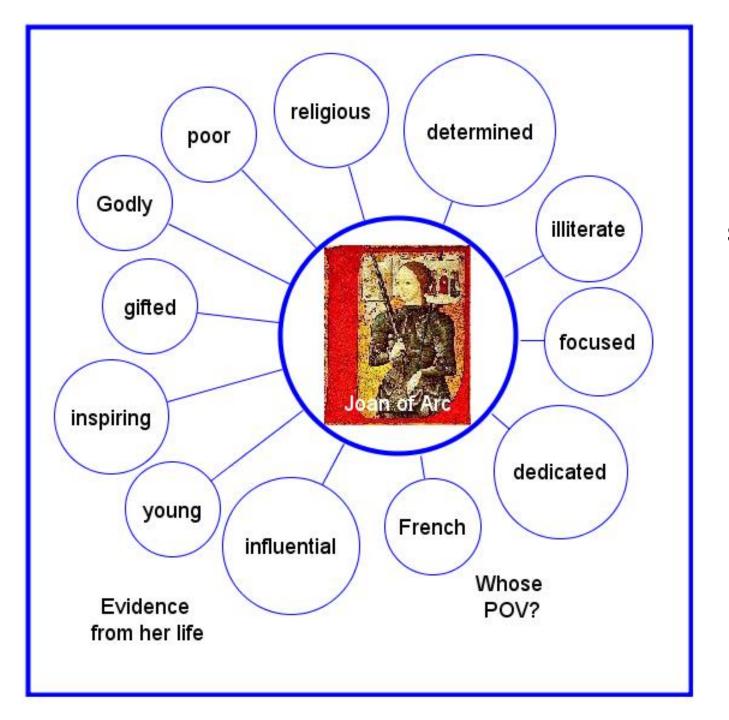
assign meaning to vari object Common core Using Wriaties . relate ninerical representations to dentify useless into Hest/question whether onswer Is viable ottend to rules/propertion Quantitative strong mark vocabulary Reasoning Strategy choice · express meaning of quantities is more one some · use the correct KNOW MERE ·investigate possible overvies or portingys to understand the Units number operations Cantoxhalliteexplain meaning of each part decontextualizethe important infood of poblem background knowledge REASON abstractly multiple strategies



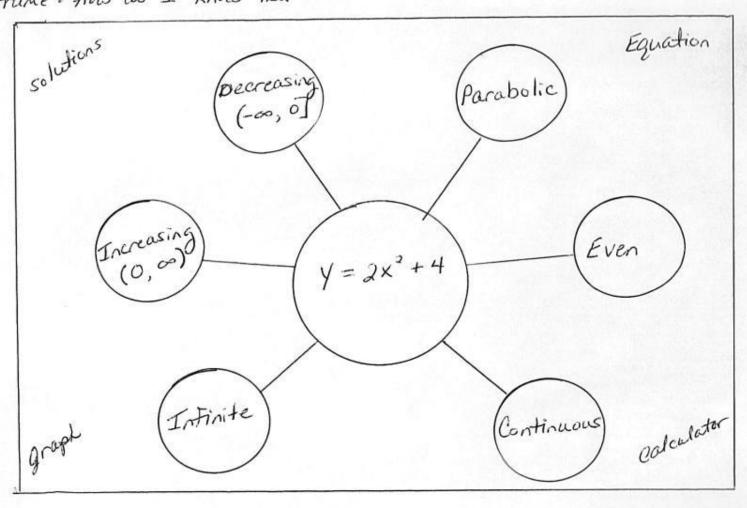


Real-life uses of coordinate plane skills. mall - store director , grocerystores > aislemarkers (color coded) store, level # Idrug'store 5 Sporting events x-axis scating for number plays, y-axis Concerts Containing + Symphonics and numbers 4 quadrants 4-900 Coordinate pointof angles Plane intersection is o on both number lines intersection is called the Weather travel: prigin hurricane mars doppler rad Computers: **DUS** rowtes graphics spreadsheets Mac





Middle School Social Studies Frame : How do I Know this?



Advanced Functions or Advanced Math

ble map: Lady Macbeth

concerned

P.65 Line 3

Lady madoeth." Say to the king, I would attend

his leisure For a few words ." - william chatespare

(speaking to the sewant)

Lady

Madocth

& Line 52

wacbeth: give me the daggars.

ceping and the dead are

s pictures 'tisthe eje

ne childhood that Feak a

ted devil- If he do bleed, I'll

ne faces of the grooms withal,

must seem their guilt."

Isliam shakespeare

re shows

Fak &

P.54 Linellb

Lady Madboth: "Help me

hence, ho!"

Luady Madboth is carried

out)

Soog

- William shakesplare

p. 106 Line 50

Lady Macboth: "Hore's the small of the blood still. All the perfumes of Arabia will not sweeten this little hand. Oh, oh, oh!"

- William Chakespeak

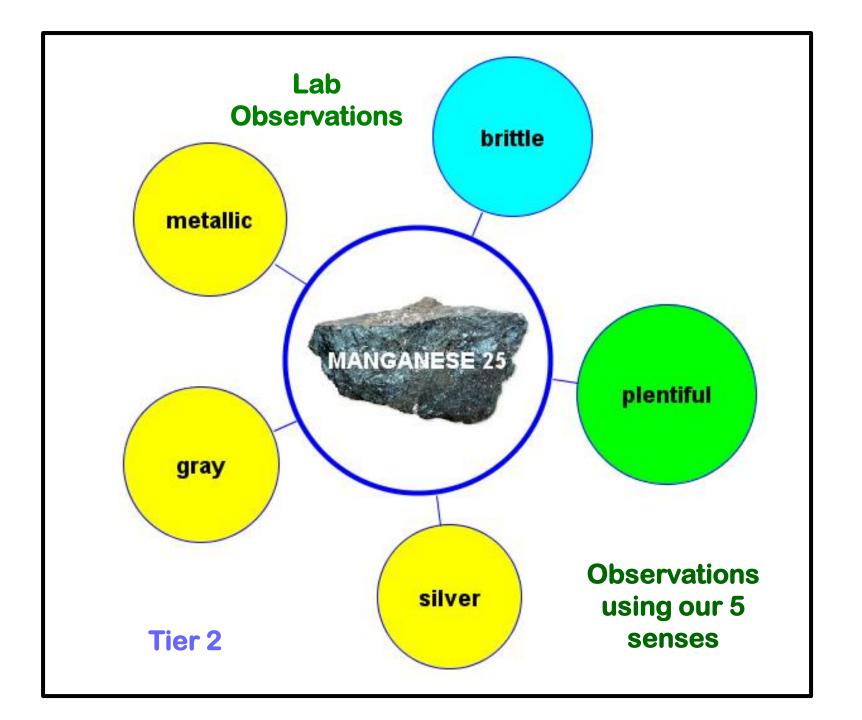
Determined

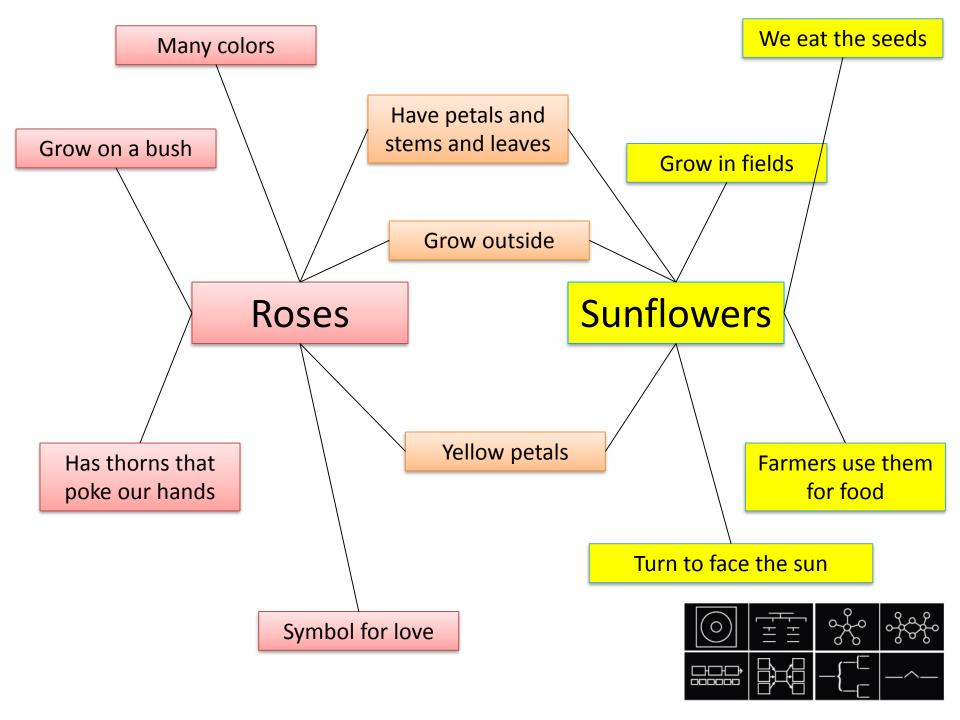
P.41 Line 60

Your courage to the sticking-place.

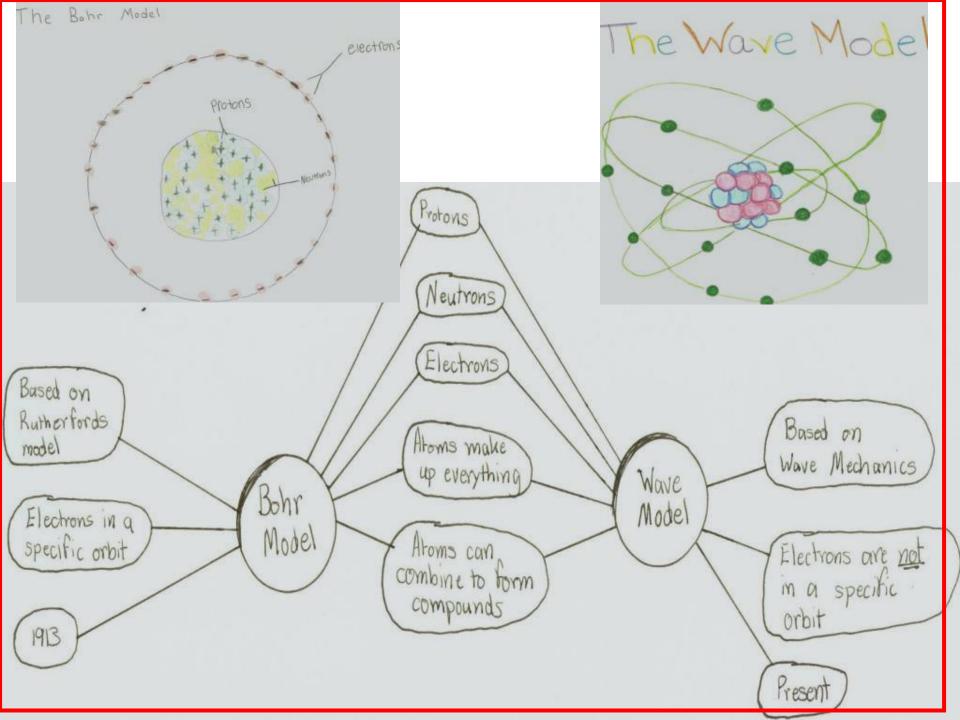
And we'll not fail!."

- William shakespeake

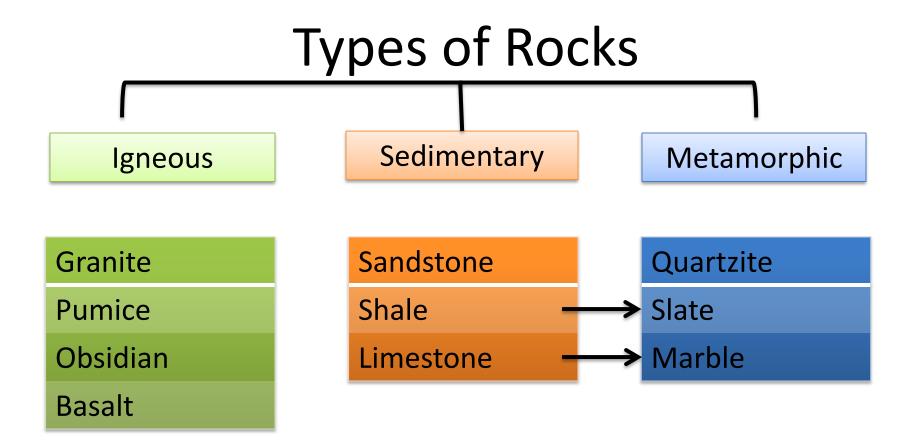


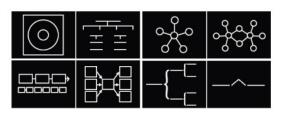




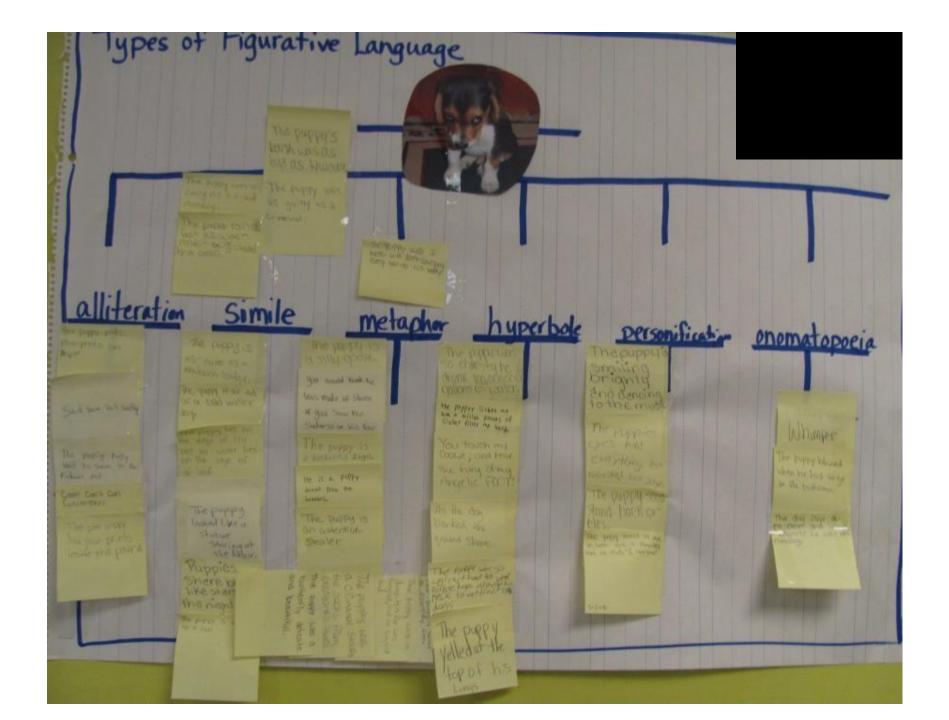


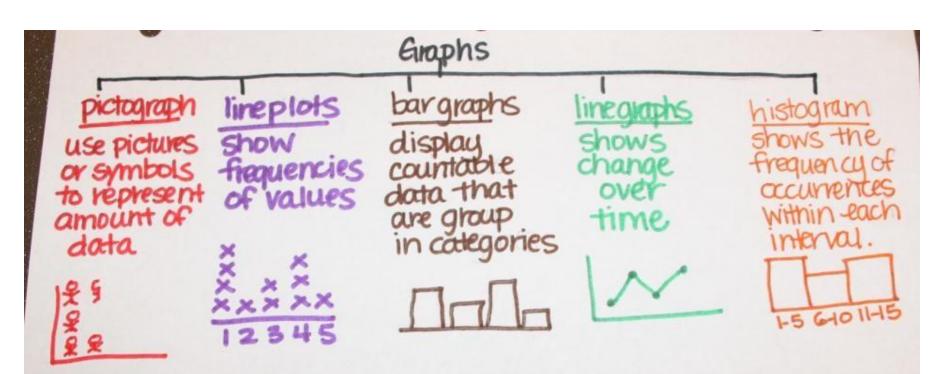
graph never goes go through the through origin will always be a K represents the constant curved line The relationship will always create between the relationship straight line between variables variables x+4 Inverse has a constaint Variation)'s expressed The relationship Direct Anrough multiplic variables 13 Variation change K=y.x expressed through can be expressed in division K= 4 a table, graph, formula, or word pro blem











MGDIc. Choose appropriate graphs to be consistent with the nature of the data.

- Math 6th grade -

ree Map	Symbiosis Symbiosis	aships between organisms
mutualism	Commensalism	Parasitism
both species benefit ounts / acacla	one species benefits, the other is unaffected demodicals/humans	one species benefits the other is harmed tape worm/human
+/+	+/0-	+1-

Persuade Entertain Testing out the turl Keller ISD OKs \$156 million for 2004-05 budget



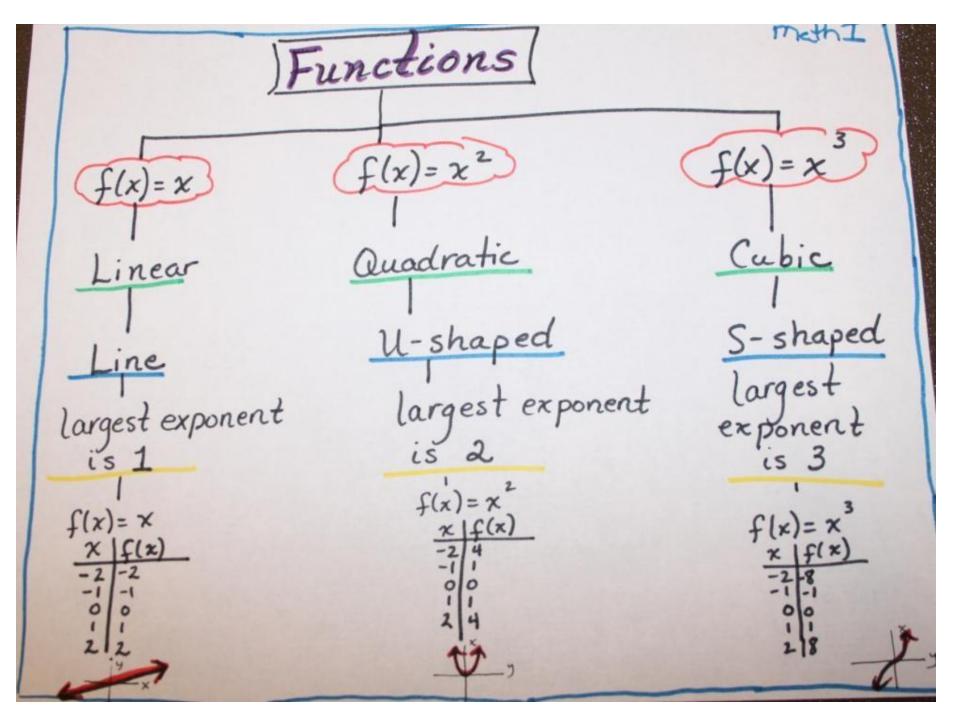




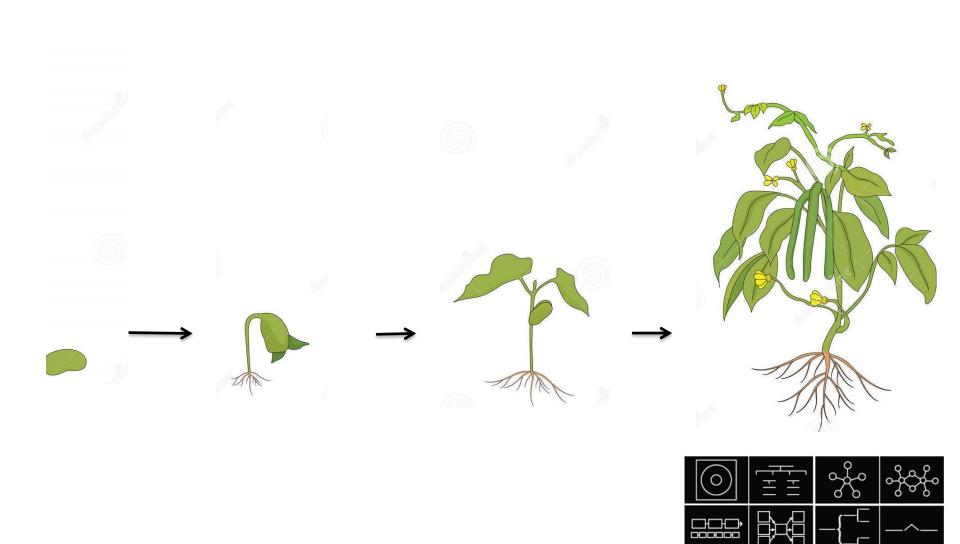


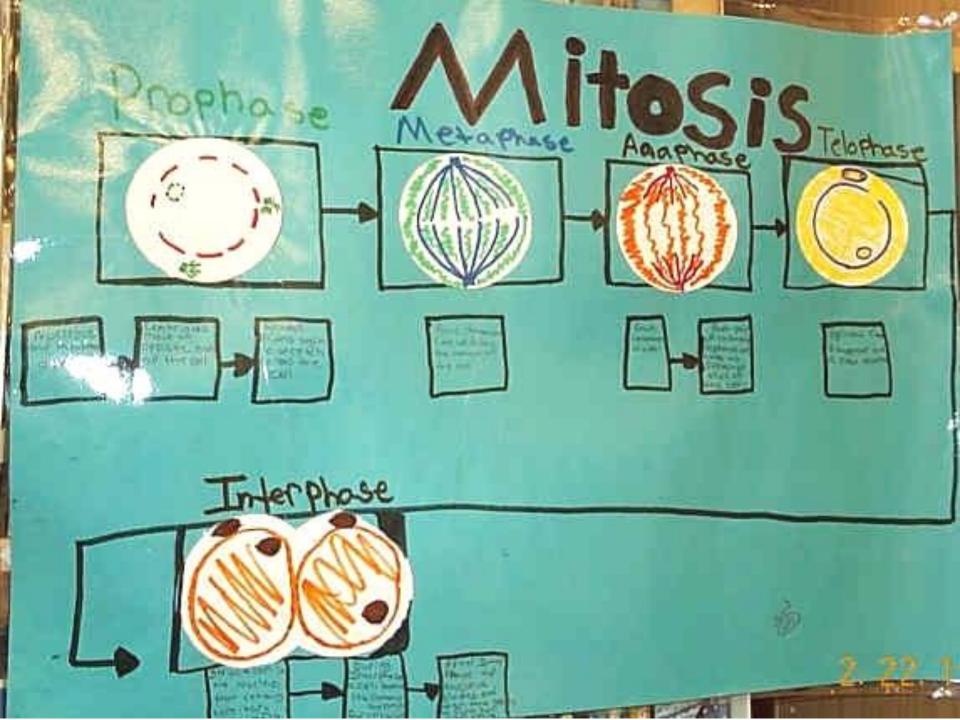


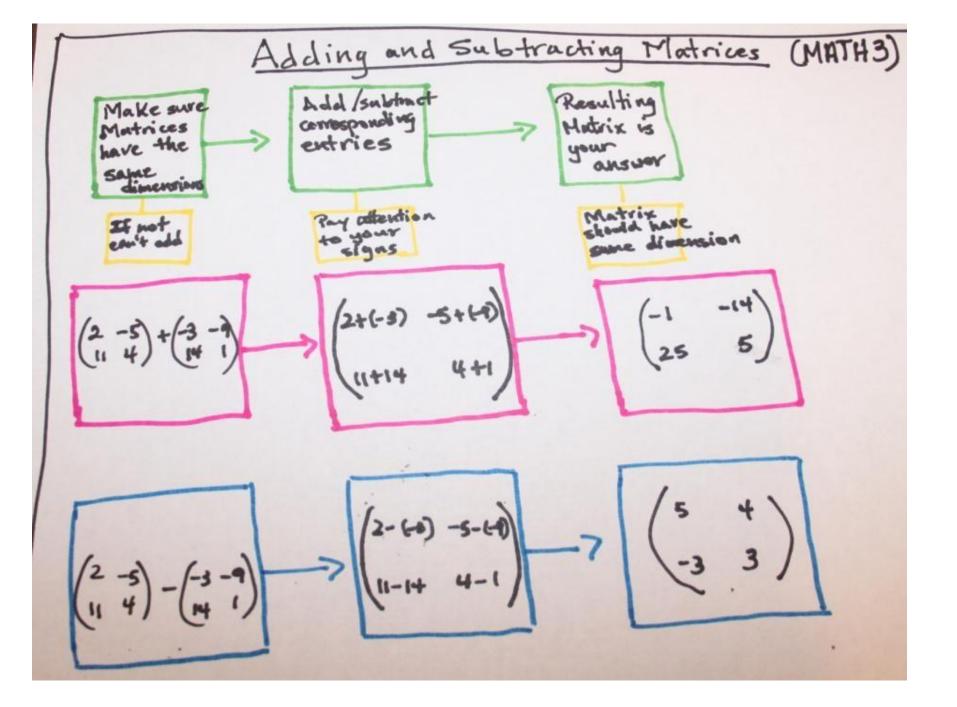


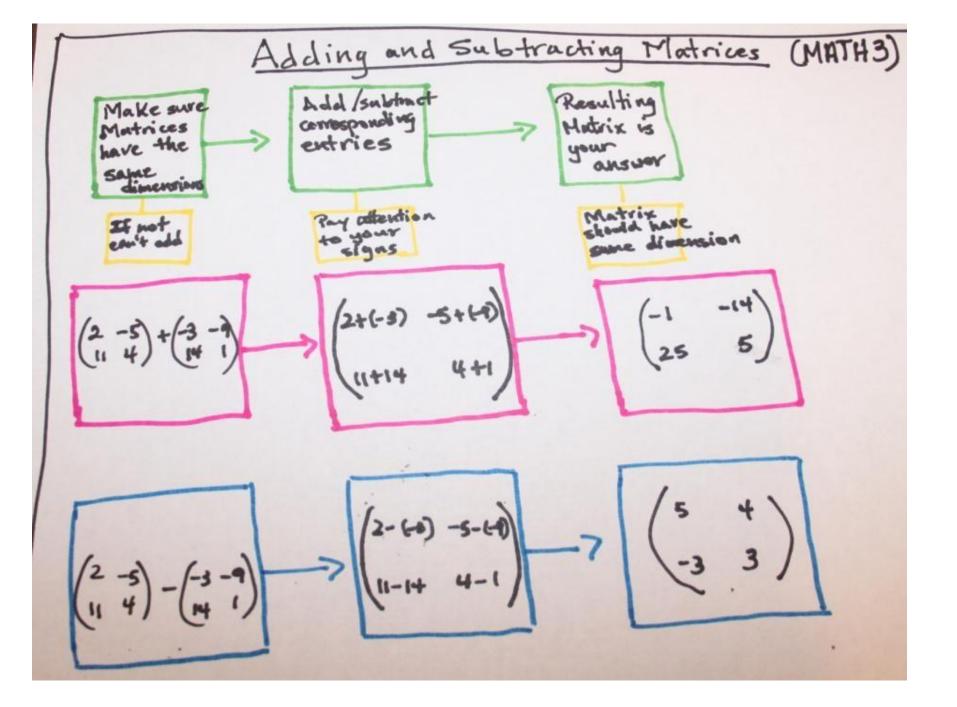


Plant Growth









FLOW MOP GCt ONE I



- the three witches tell Madbeth that he's going to be a king.
- (Banouo's sons will be king)



- Macbeth becomes a war hero (Thanc of Candor)



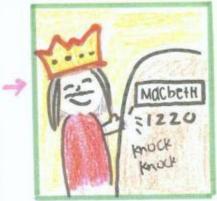
- Macbeth sands a lotter to Lady Macbeth saying that the witches said he's going to be king!



- Lordy Macbeth Forcefully wants to kill the king of tals Macbeth that she's going to do the murdor.



- Madbeth talks to the King about coming over to their house.



- King plans to

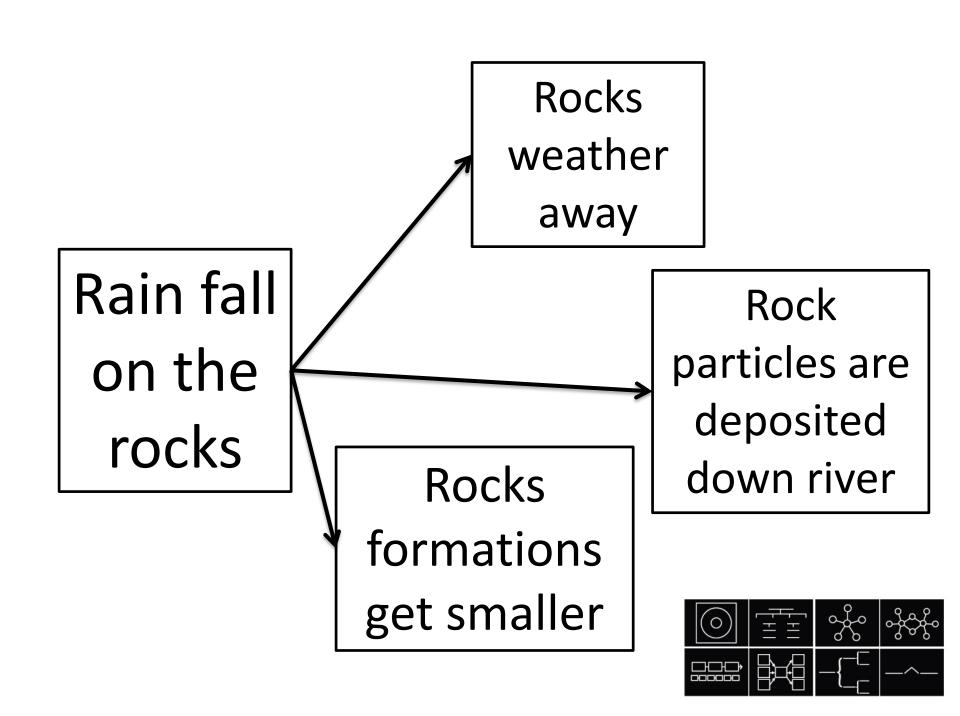
Come over!

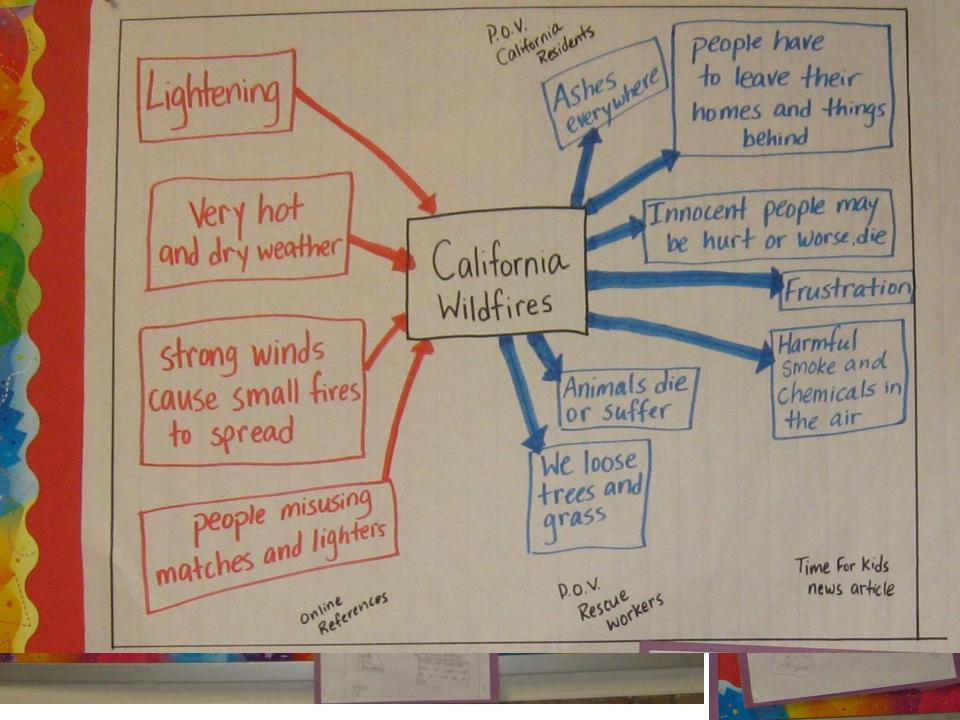
- Macbeth's parfect

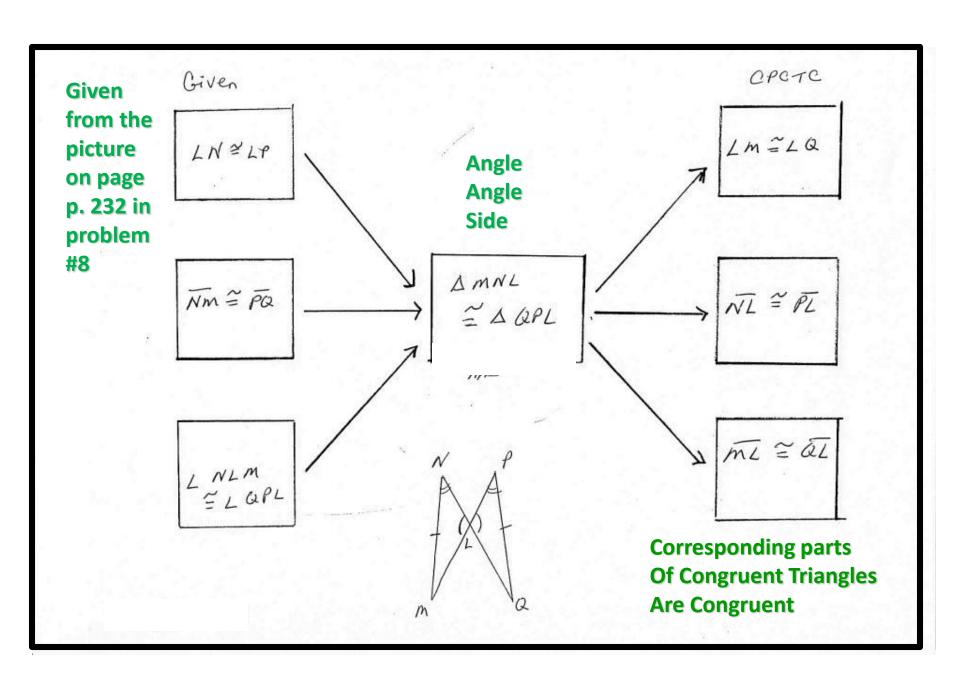
Set up!!

no - one at trying to See no-on of Lenove the door an the veadina hom doorway to cover checks hears window voices 10 Roven wonders Raven Roven is gires window, peconne looking delinees a symbol the into his of proben bad news rowen this Rauen Soul man thinks about flies in Lengir perching 15 13 thinks he's opetting asks Raven is raven if nysterial; burning into pamen to Shall brings to man asks Daves Say angelo into him again of Mentumber voon Cenore

TIR







Couses

Ethects

- · Intangled Alllances
- · Arch Duke Ferdinand assassinated
- · Austria blames Serbia
- · Military build up.
- of Bosnia
- · Germans declare war
- · land disputes
- · Nationalism
- · Militarism
- · Imperialism

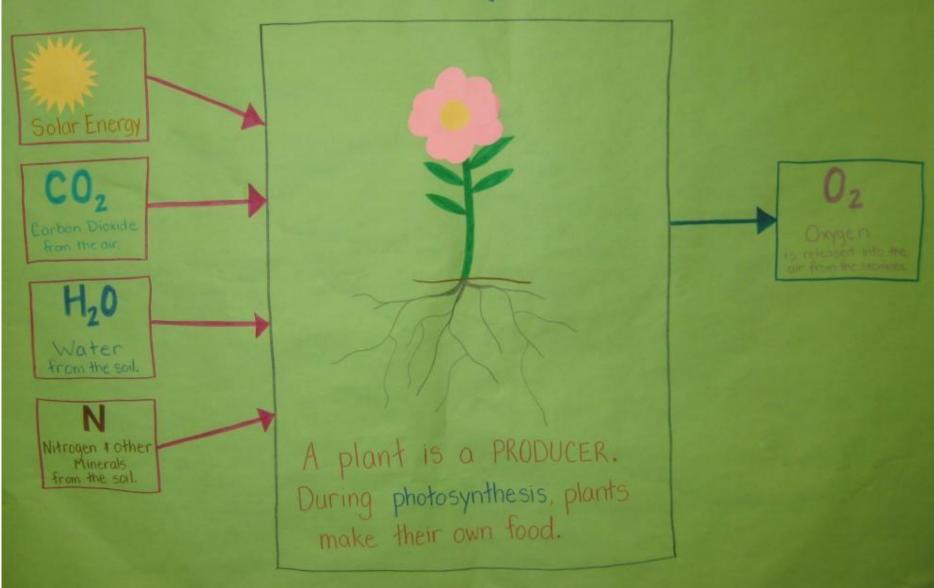
- · Death of many people
- Sinking of the Lusitania
- · Countries take side
- . New weapons developed
- T. Huge trenches dug
- · Use of poison gas
- · Creation of the U-boat
- · Boost in American
- · Over 2 million howitzer! shells were fired
- VI. The Great Depression

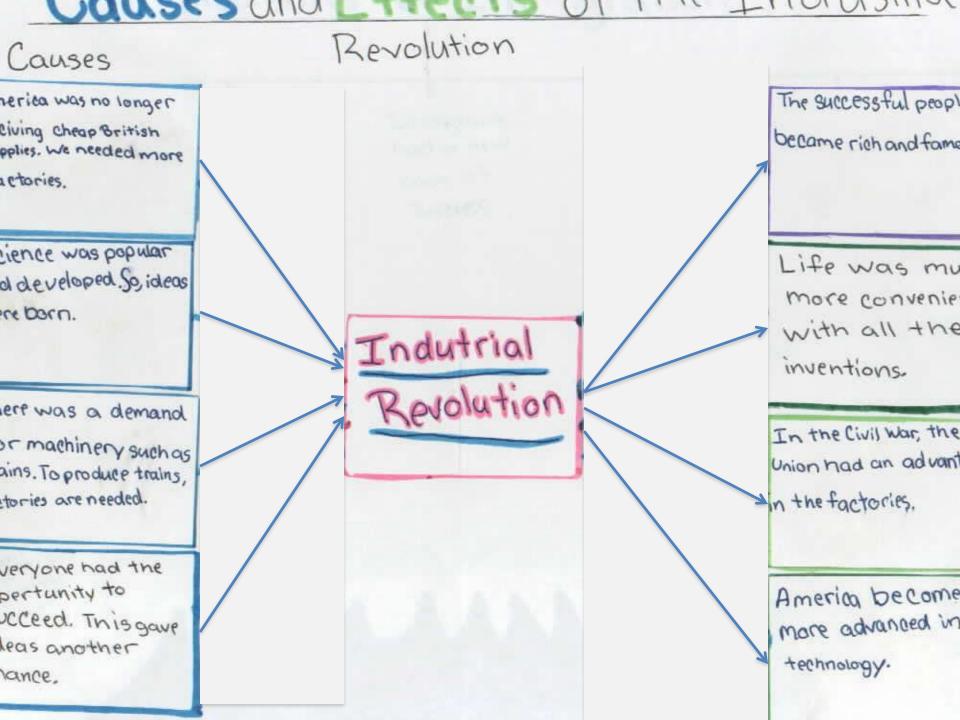
We watched a video.

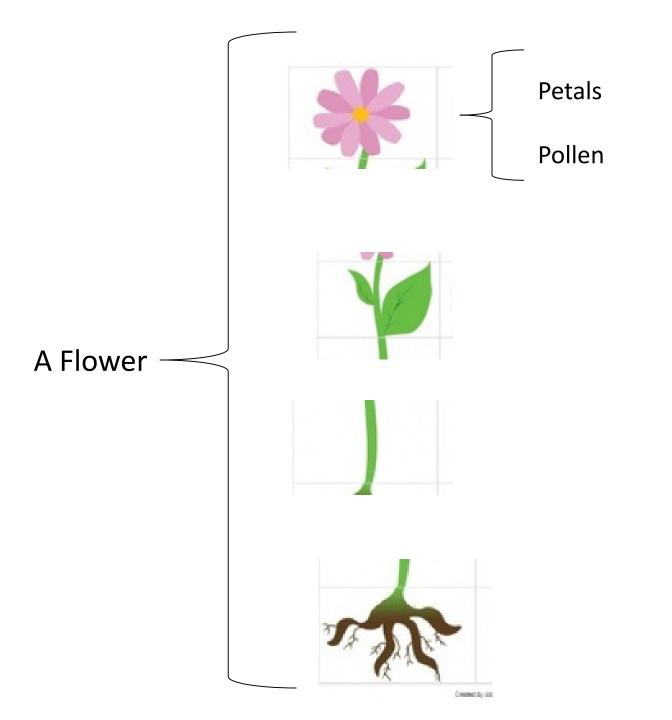
TRANSPORT PROPERTY OF THE PROPERTY SERVER STATES

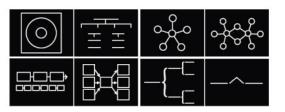


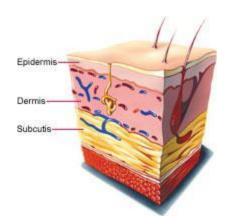
Photosynthesis









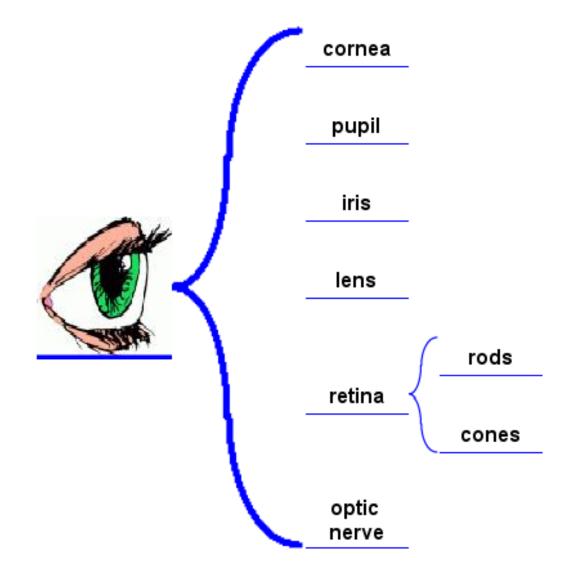


epidermis

epi (top / outer)

derm (skin) Add the meaning of each part in parentheses.

is



Matn II circles diameter AX Tangent ZW Radius QW QX QA chord AW AX Secant BR Central ZWQX Inscribed LWAX Center Q AWX AXW

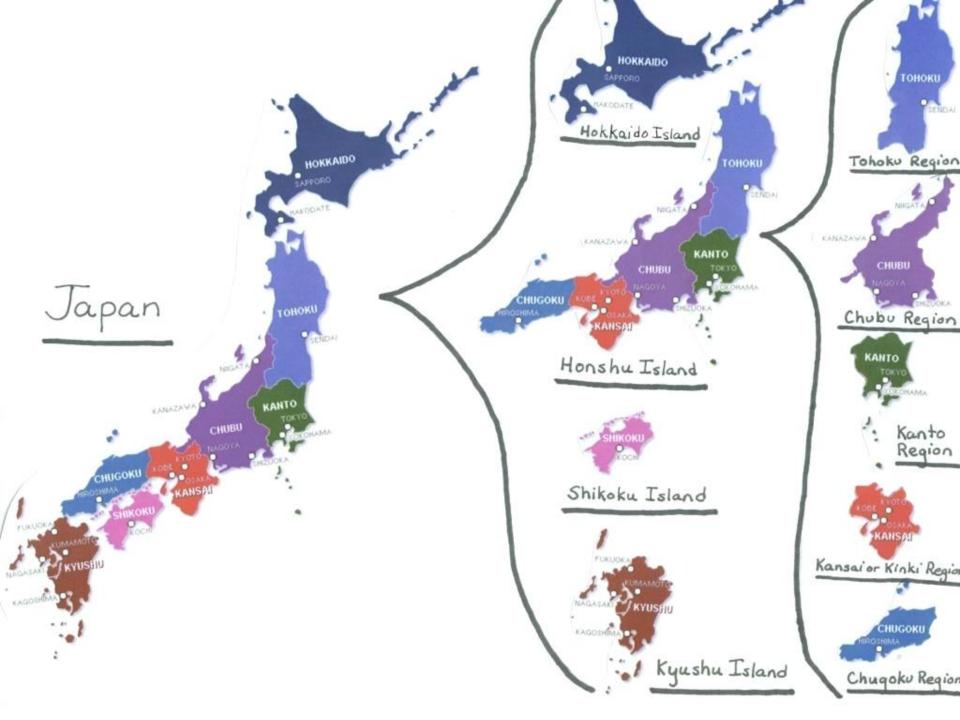
We need to know how to convert % to decimals.

We could use 10%.

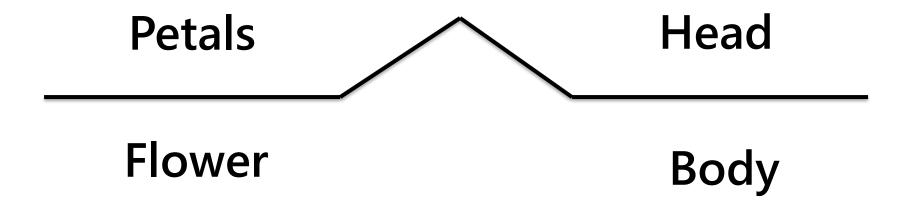
A vice president to took a client to lunch. The lunch cost \$44.00. She left a 20% tip. What was the total cost of the lunch?

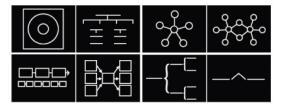
We have to know that this is a two step problem.

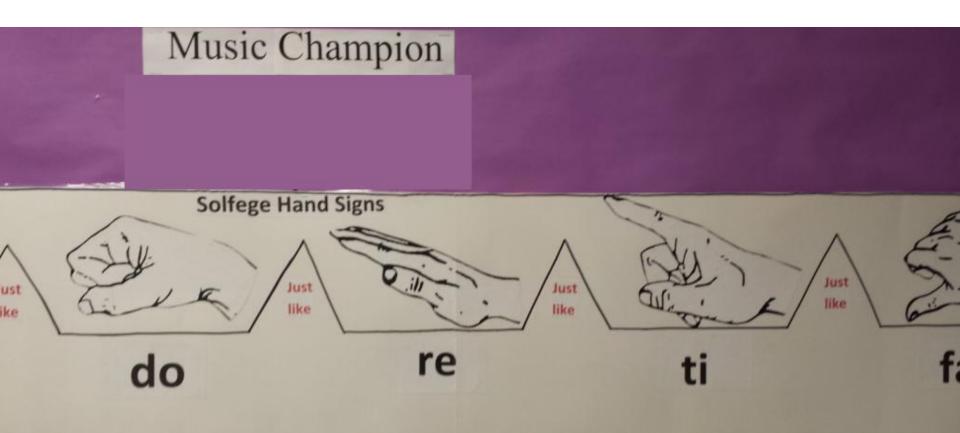
We need some prior knowledge about what a "tip" is.

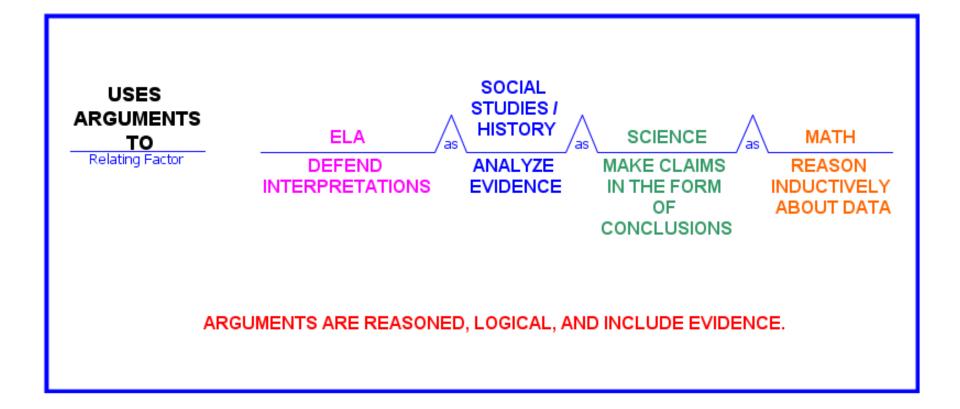


Relating Factor: is part of









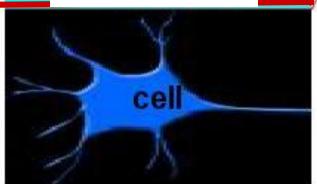
Vocabulary Development





powers

Relating Factor





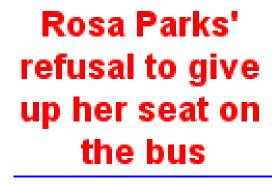


www.behindthesceneshistory.com

was a catalyst for

Relating Factor

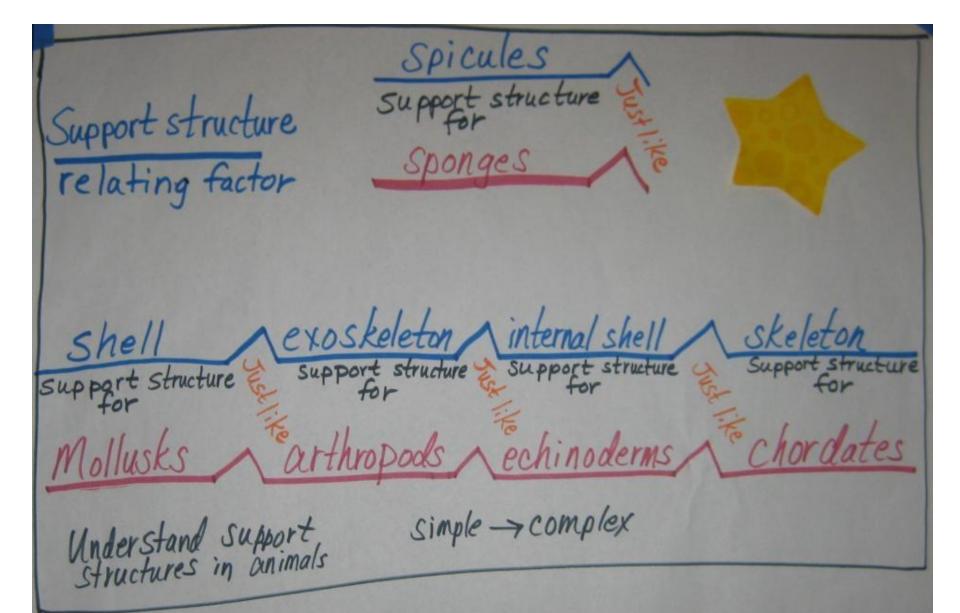


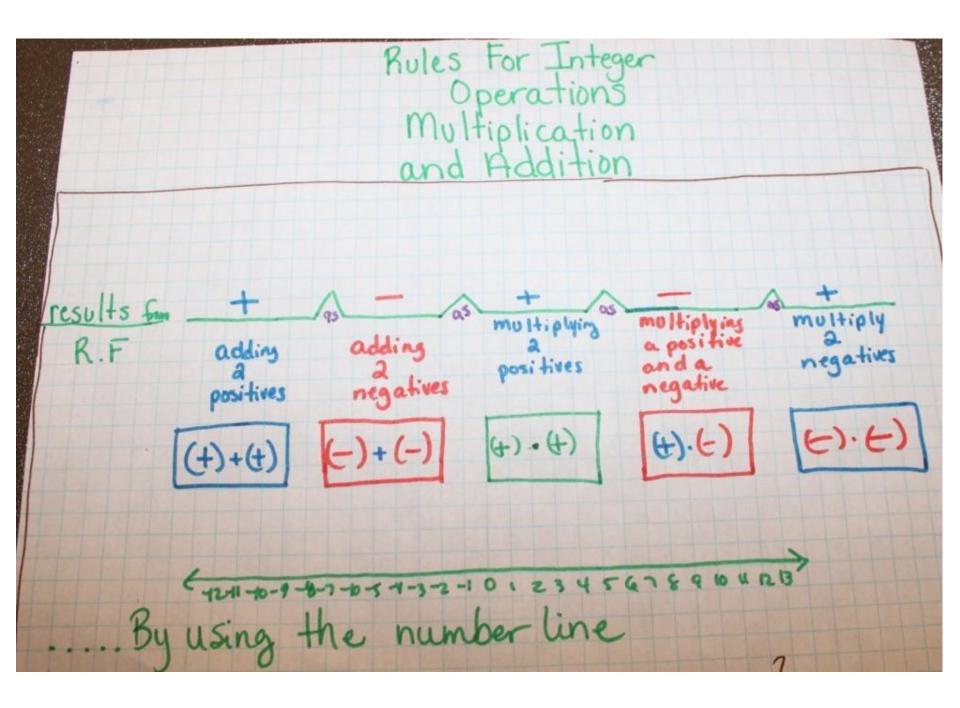


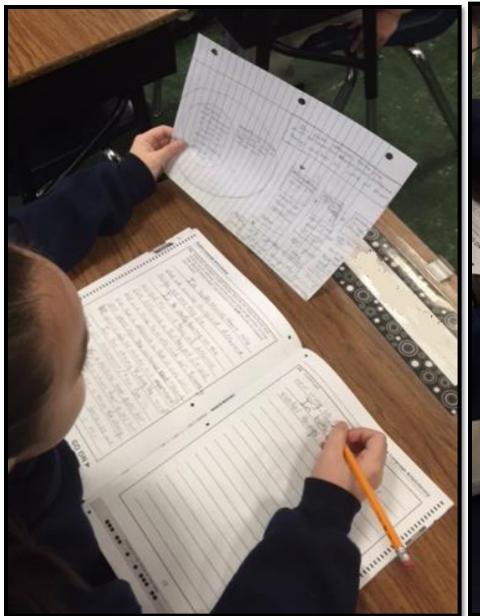
Civil Rights Movement ^\ as\ **?**

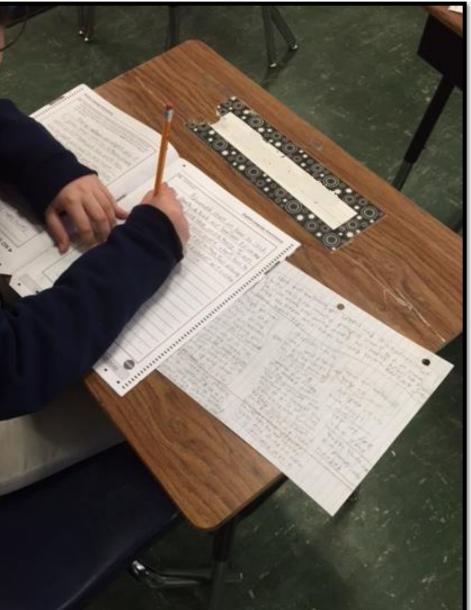
7

Major events in history are often have "trigger" causes.







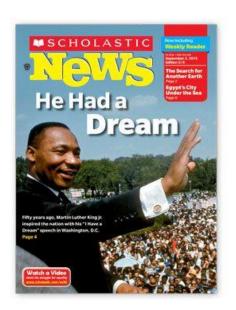


Applying Thinking Maps

First, you and a partner will choose one Scholastic News Magazine.
Review it.
[5 min.]

Then, you will work with a partner to create two questions that would require two different Thinking Maps to answer them. [5 min.]

article with another pair and the questions you created based on the article.









Cue Words

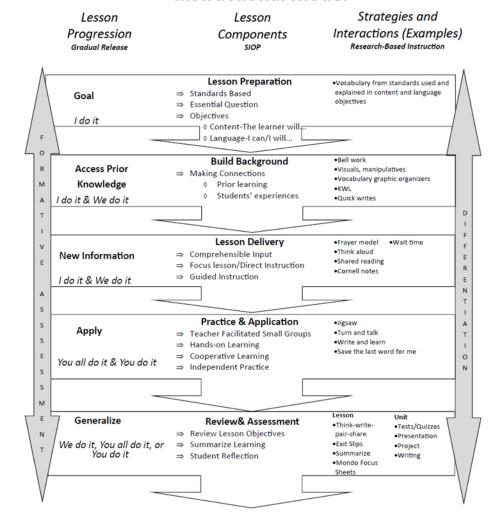
Bubble Map [Oouble Bubble Map	Tree Map	Brace Map	Flow Map	Multi-Flow Map
looks	Compare	types of	consists of	first	Cause
feels	and	kinds of	parts of	before	because
sounds	as well as	for example	take apart	next	due to
smells	both	another	components	during	leads to
tastes like	like	in fact	form	after	reason
is a	each	for instance	structure	finally	when
characteristic of	neither	such as		past	motive
is a feature of	likewise	in addition		present	why
10 4 104(410 01	also	one		since	as a result
	in the same way	most important		when	since
	Contrast	also		on (date)	ifthen
	although	diso		at (time)	Effect
while but however instead whereas yet on the other hand					as a result
					because
					benefits
					consequences
					impact
	whereas				outcomes
	yet				s 0
	on the other				since
	hand				therefore
					thus

Instructional Model

Lesson Strategies and Lesson Components Interactions (Examples) Progression **Lesson Preparation** Goal ⇒ Standards Based ⇒ Essential Question I do it ⇒ Objectives Content-The learner will. Language-I can/will **Access Prior Build Background** ⇒ Making Connections Knowledge Prior learning I do it & We do it Students' experiences **Lesson Delivery New Information** ⇒ Comprehensible Input ⇒ Focus lesson/Direct Instruc-I do it & We do it Apply Practice & Application ⇒ Teacher Facilitated Small Groups You all do it & You do it ⇒ Hands-on Learning ⇒ Cooperative Learning Generalize Review& Assessment We do it, You all do it, or ⇒ Review Lesson Objectives You do it ⇒ Summarize Learning ⇒ Student Reflection

12-13

Instructional Model



Student Learning, Data Analysis, Reflection, Pre-Assessment and Planning

Today's Objectives

David's presentation on Thinking Maps

Learners will practice using Thinking Maps

The learner will use a variety of Thinking
Maps to organize
their thoughts.

Learners will use Thinking Maps to answer questions

Students critical thinking will increase