



Oaklands Junior School:

A Thinking School

Learning to Think
Thinking to Learn

Welcome!

"If everyone is thinking alike, then somebody isn't thinking."

George S. Patton

Our toolbox



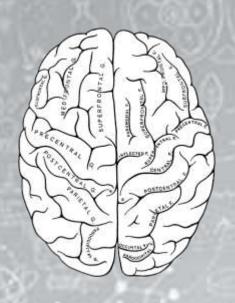
Thinking Maps



Visual Tools for Thinking®

creative - analytical - conceptual

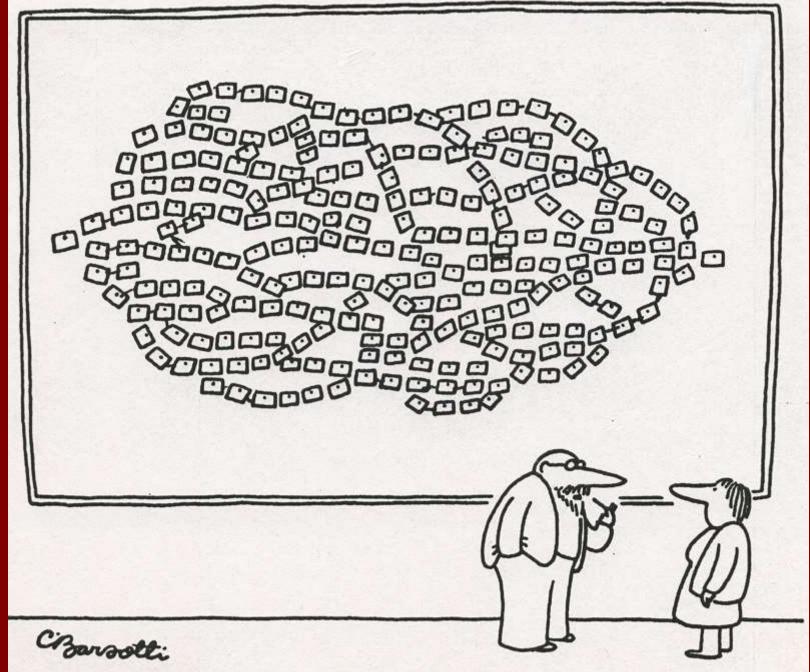




Visual Tools directly facilitate the interplay between brain and mind

the brain is unconsciously making neural networks

the mind is consciously patterning information



"It's plotted out. I just have to write it."



Visual Tools

Visual tools are non-linguistic symbol systems. There are 3 basic categories, each with specific purpose and visual configurations.

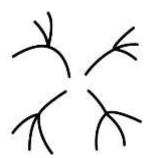
visual tools

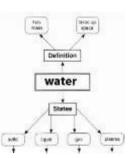
brainstorming webs for creative thinking

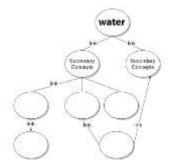
graphic organizers for analytical thinking

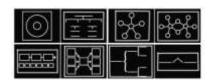
concept maps for conceptual thinking

Thinking Maps® a common language of Visual Tools









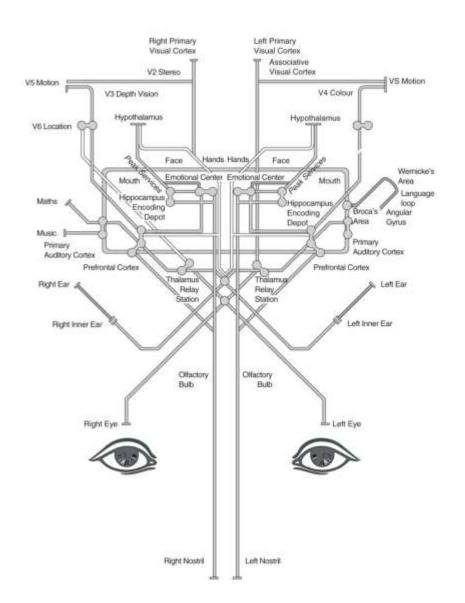
90% of all information that comes to our brain is visual

40% of all nerve fibers

connected to the brain are linked to the retina

36,000 *visual messages per hour* may be registered by the **eyes**

Eric Jensen
Teaching with the Brain in Mind



"Neuroscientists
tell us that the brain
organizes information in
networks and maps"

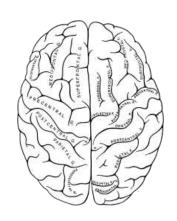
Pat Wolfe, Ed.D.

Teaching with the Brain in Mind

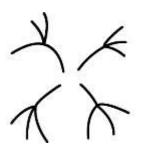


"Many would argue that we've used such a small part of our mental capacity because of our insistence on linear thinking."

Margaret Wheatley
Leadership and the Sciences

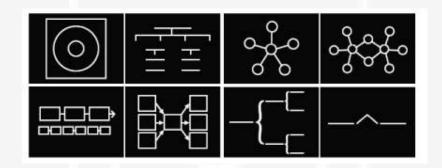


Vygotsky argued convincingly that our thoughts are influenced by the kinds of tools we use...We can see that when we perform physical tasks, such as gardening or brushing our teeth, how we deal with the task and whether we succeed are both influenced by the tools we use.



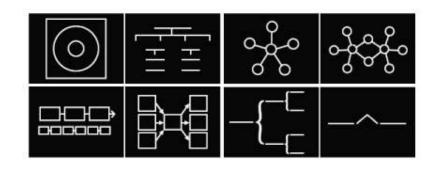
But we do not always recognize that tools also can influence how we perform mental tasks, how we think about them, and whether we complete them successfully.

James Hiebert, et. al. Making Sense

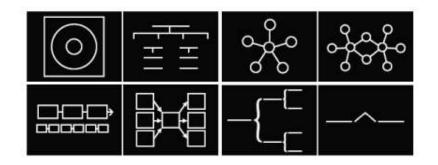


Thinking Maps® provide a common language that integrates the visual tools.

The Thinking Maps® are associated with particular cognitive processes.



Thinking Maps® is not a curriculum, but rather, a set of tools to allow teachers to present their existing curriculum in a more meaningful way.



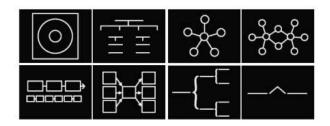
Better learning will come not so much from finding better ways for the teacher to

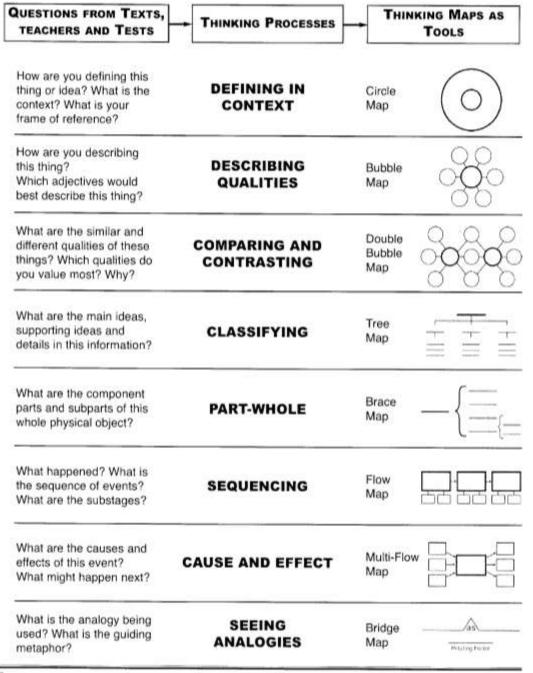
INSTRUCT...

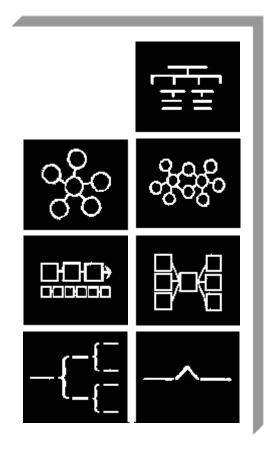
...but from giving the learner better ways to

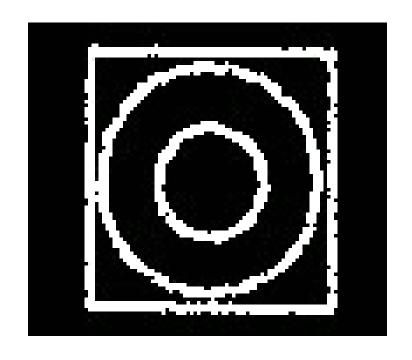
CONSTRUCT.

Seymore Papert, 1990



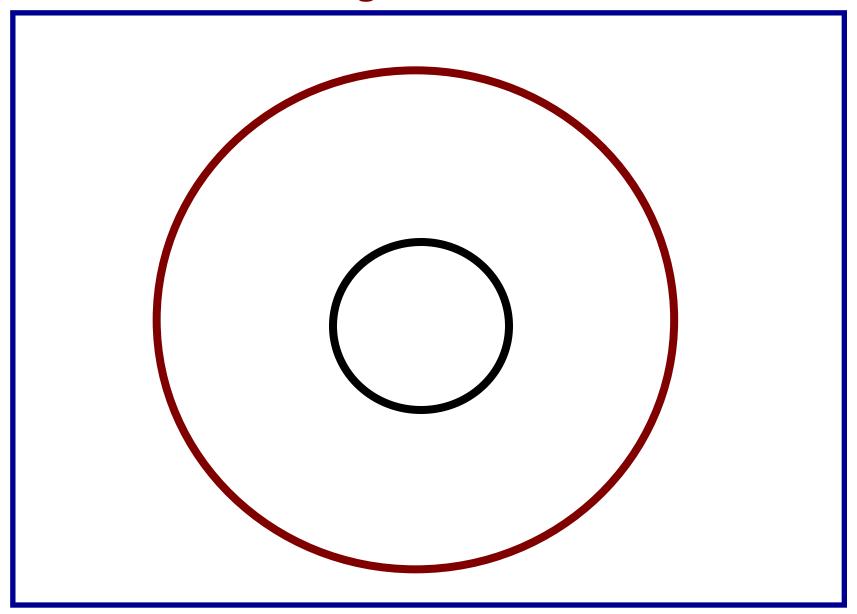






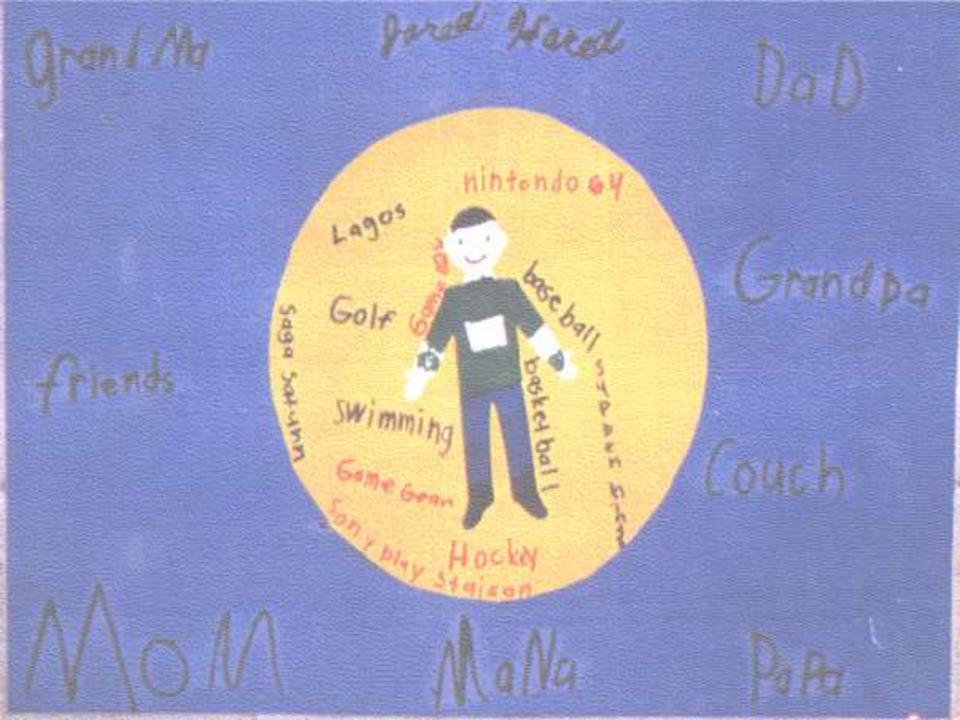
The Circle Map for defining in context

Defining in Context



Circle Map







MARY (





threw throw thirth then this thread thundengtorm Thursday three thirteen

We saw Rachael statues Whiteread's and sculptures bronze boxes pall like collection a dam of little pionic Lucio Fontana lunch on the getting to The steps Tate Modern we watched woody we saw the Finding Nemo on the coach bridge River Thames and boats 7 laughing The big



...working together to achieve a goal!



...being friends

We like...



...playing together

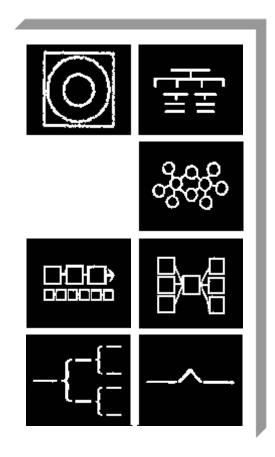


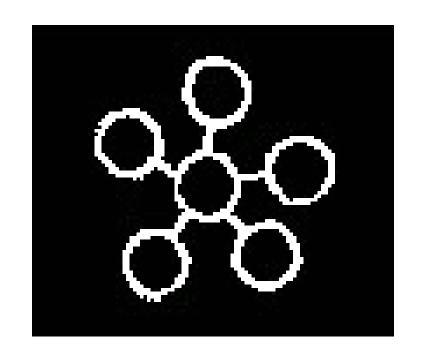
...making models



- ... things

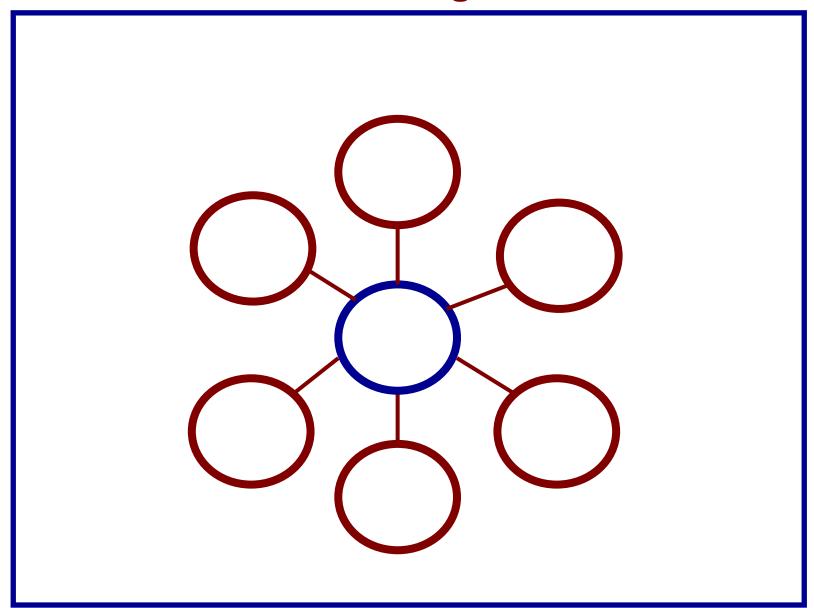
Equivalent Fractions **Mathematics** Circl



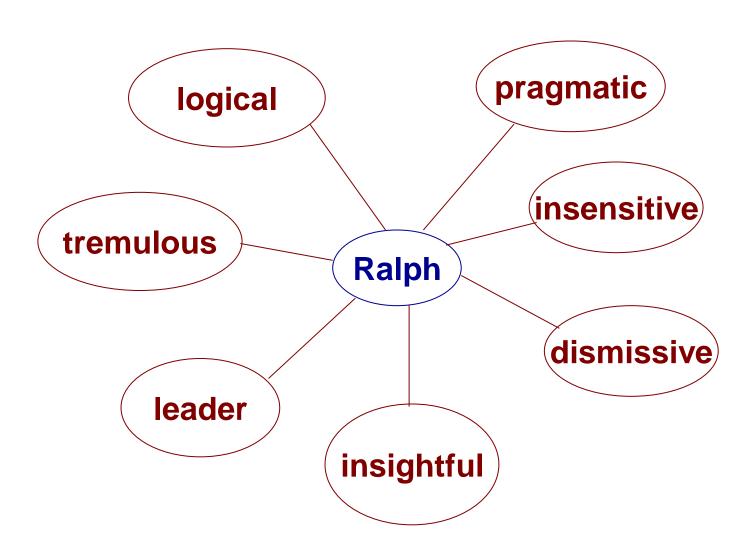


The Bubble Map for describing things

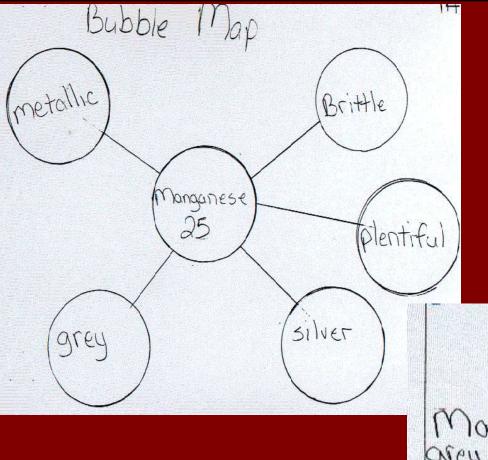
Describing



Bubble Map



1 m day 23 well da Wolf

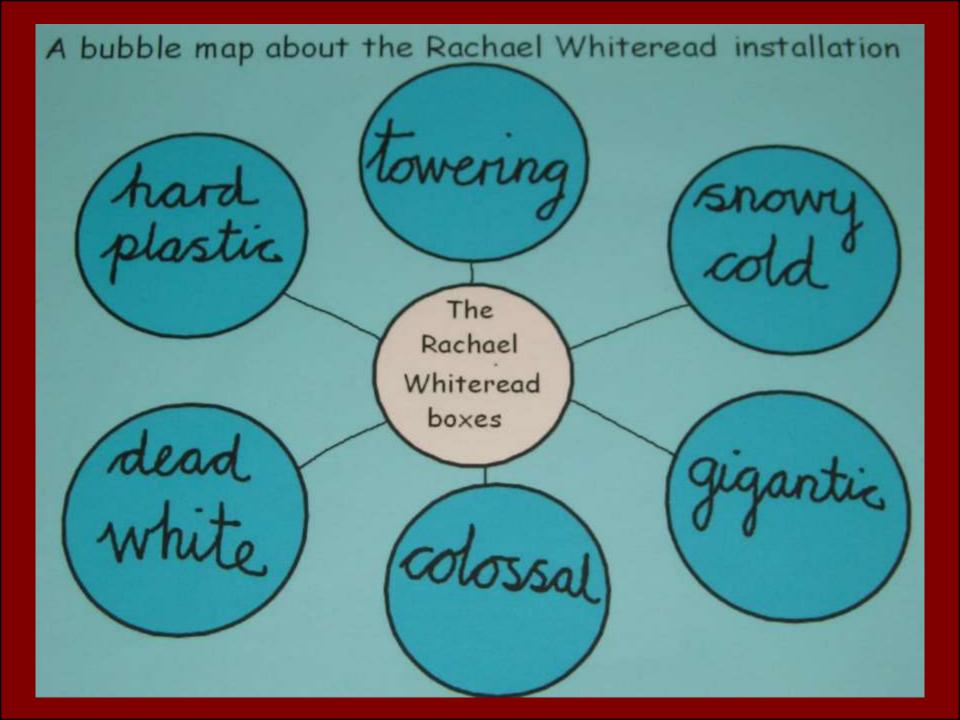


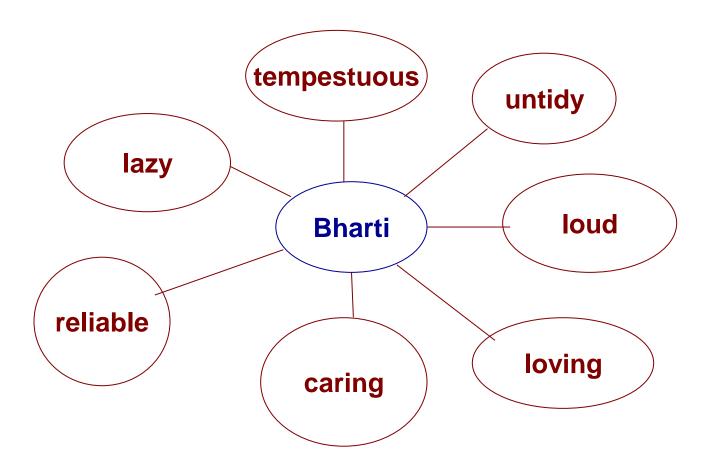
Science

1 langanese

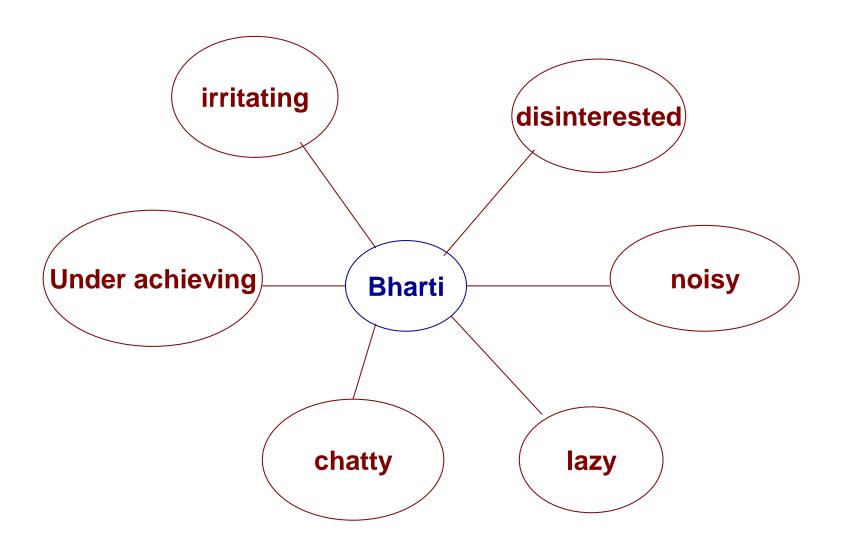
forns,

Monophes is a brittle silver of ey, metallic element. It has many industrial uses. Manganese is a plentiful element that is found this bughout the earth's crust. Manganes is used in the form of alloys and compounds. Manganese removes oxugen and sulfur from steel. It anognese can exist in four different





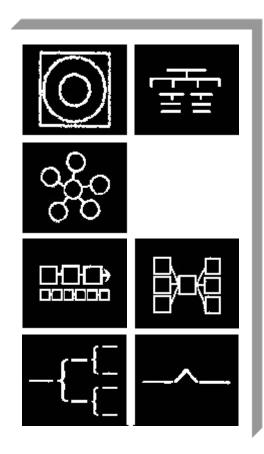
How would my mother see me?

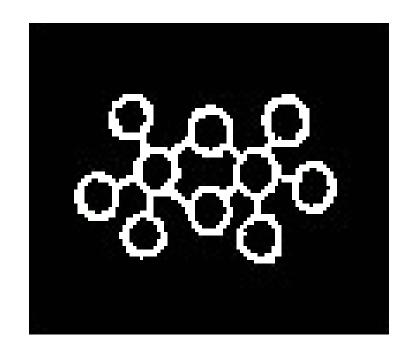


How would my History teacher see me?

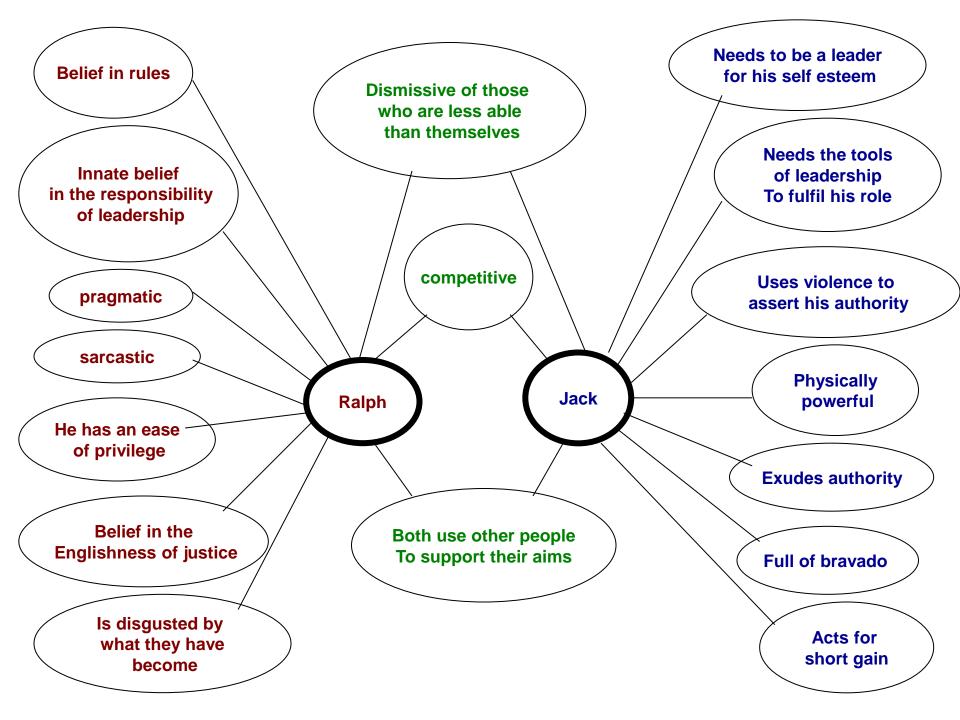


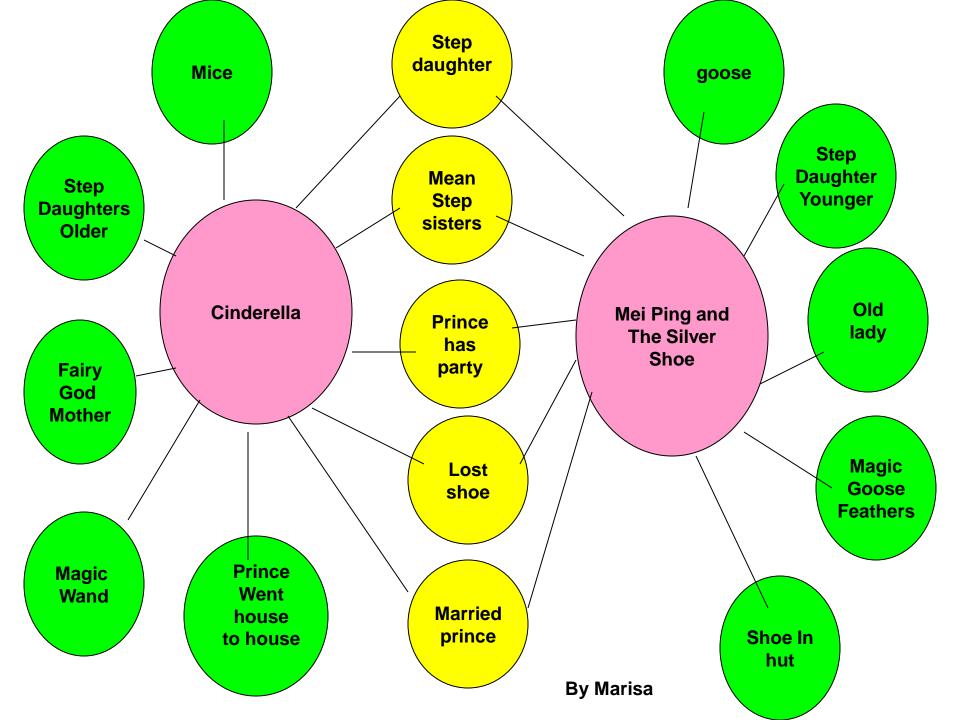




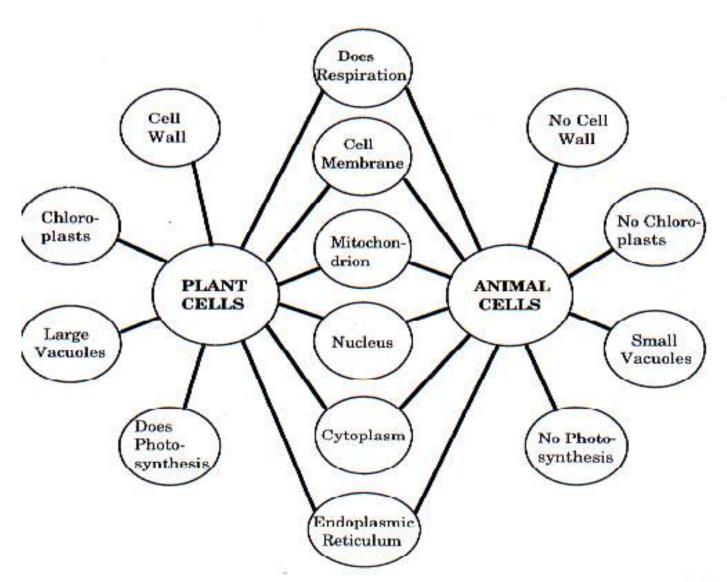


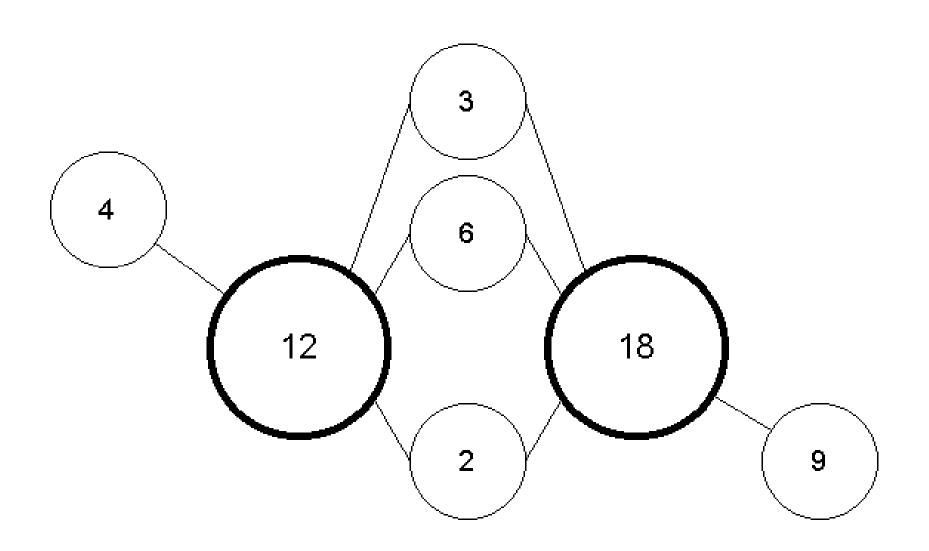
The Double Bubble Map for comparing & contrasting



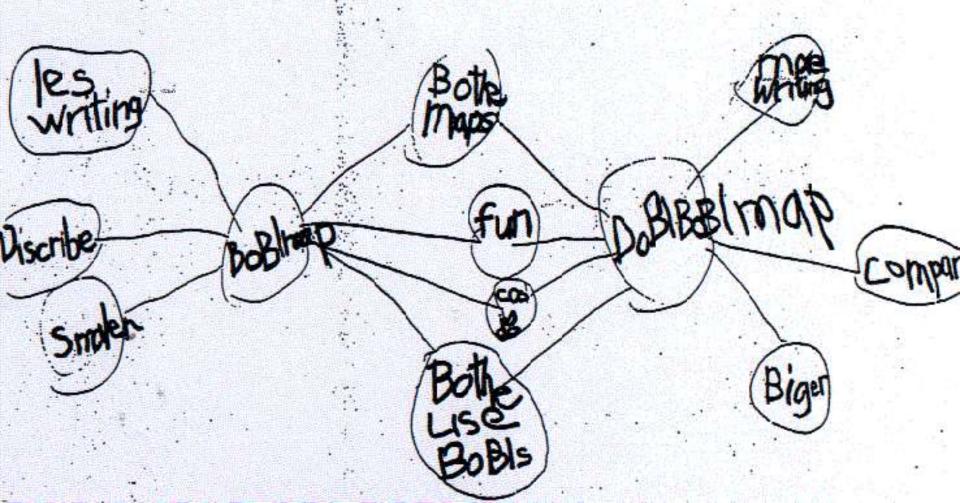


Biology

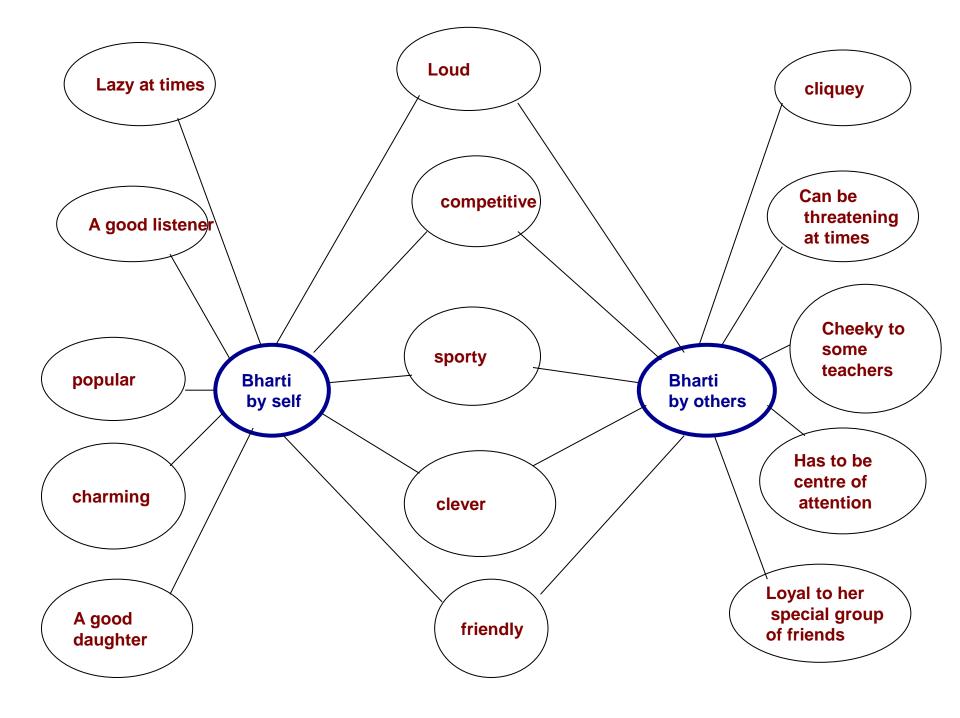


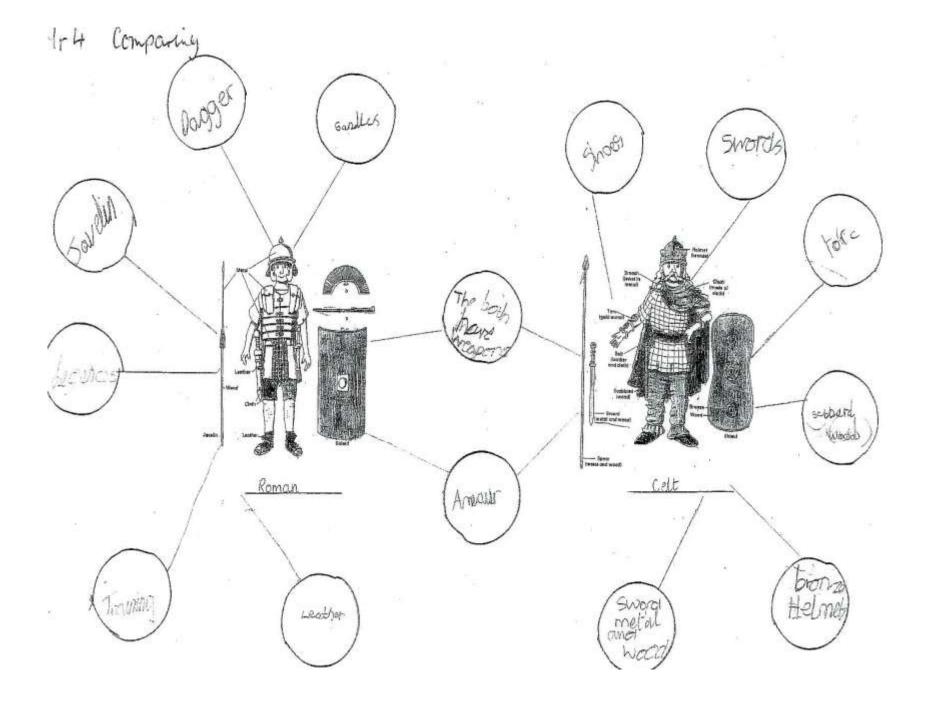


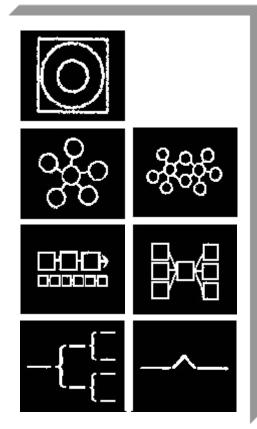
DOBI BOBI MAD

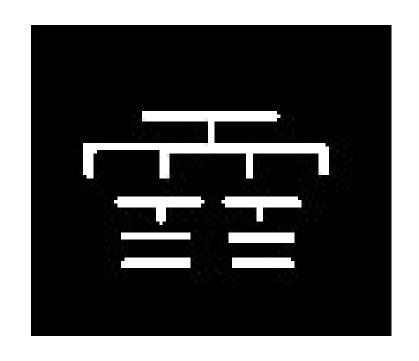


With a Bobl Map you do les writing on the other hand a DOBI BOBI map you do more writing A BOBI Map you describ things wile a Dobl BOBI Map you compar things. A Bobl Map is smaler than a DoBl BoBl









The Tree Map for classifying things

feels look likes eats amazing dark brown Mammo or black wet rubber skin brain 20% fish breath cu bigger than seven or is seven to smooth fed ten to humans brain eight skin thirty feet +wenty -six miny tes pounds a long, is sleeping day have ha half brain is around th are awake other has mouth mammals eats fish sleeping with medicine have hair in it and lungs no Hourst Middle School

Musical I natruments string woodwind Keyboard percuss ion brass Piano Violin trumpet single no double pitched organ non-pitched cornet reed viola reed reed harpsichord french Cello s ynthesizer marimba snare drum flute Clarinet oboe horn bass drum piudo baritone xyophone bass clarinet english horn bass triangle tuba guitar tympani Saxophone bassoo n wood block Chimes Contra bassoon Danjo tambourine bells harp

Charlie-Anne instruments drum plucking Shaking_ Blaning -Hitting Maracers Cornot dam panja panja ward work tambrene - flute tambene Cabasa Sitas promisers Sciooaphone of maracers trumpet bag Pupeo Calasa

Apostrophes. Possession Omission Couble't Didnot & didnitsink

NARRATIVE WRITING

SCORING CRITERIA

Main Idea

The writer must clearly establish a focus as it fulfills the assignment of the prompt.

He/She must stick to the subject matter presented in the prompt in order to strengthen the main idea.

Supporting Details

The writer provides sufficient elaboration to present events clearly.

Details must be related to the subject matter and what happens in the narrative.

The effective use of concrete, specific details strengthens the power of the response.

Organisation

A clear sequence of events is essential for a successful narrative.

The narrative must advance step by step through time.

The writer establishes a sense of beginning, development, and ending in the composition.

Coherence

The sentences are logically connected.

The writer establishes relationships between and among the ideas, causes, and/or statements in the composition.

The writer may use common devices to achieve coherence: pronouns, synonyms, connectives, transitional words.

iong and short 00 sound 'oo' short 'oo' long (look, book) (moon, zoom) M COOPEN Puryed F. Good words and Jabulans sentences. Chook

Questions for leadership candidates

Personal qualities

What are the essential qualities that a leader needs to have?

What qualities do you have which would make you a good leader?

What qualities would you need to develop?

Experience

Please give some examples of leadership roles you have had

What have you learnt about the role of a leader from these experiences?

Self knowledge

How do you know that you would make a good leader?

What have people said to you in times of emergency or stress which supports your application?

A good story

Language

Adjectives

Verbs

Adverbs

Direct speech

Language which describes a specific character

Characters

Characters need to have 'conflict'

Some characters will be more important than others

Characters can think differently from what they say

Characters have different personalities

Sequencing

The beginning makes you want to hear or read more

It is not confusing

We don't always know what is coming next

The ending is surprising

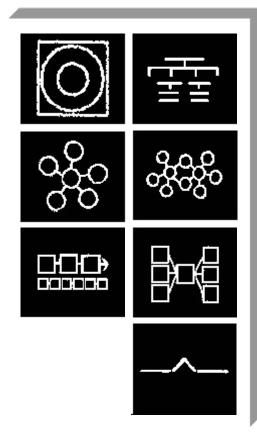
Kind of Learners

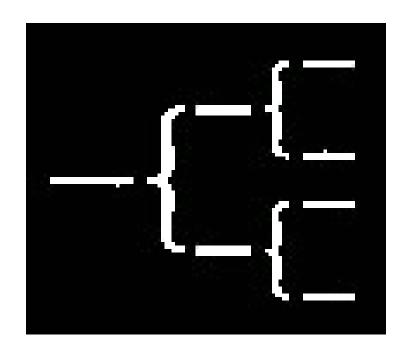
Student who can read, write and count make decision Excommunicate well think critically/creative accept new ideas take risks co-operate with others

confident creative independent innovative reliable

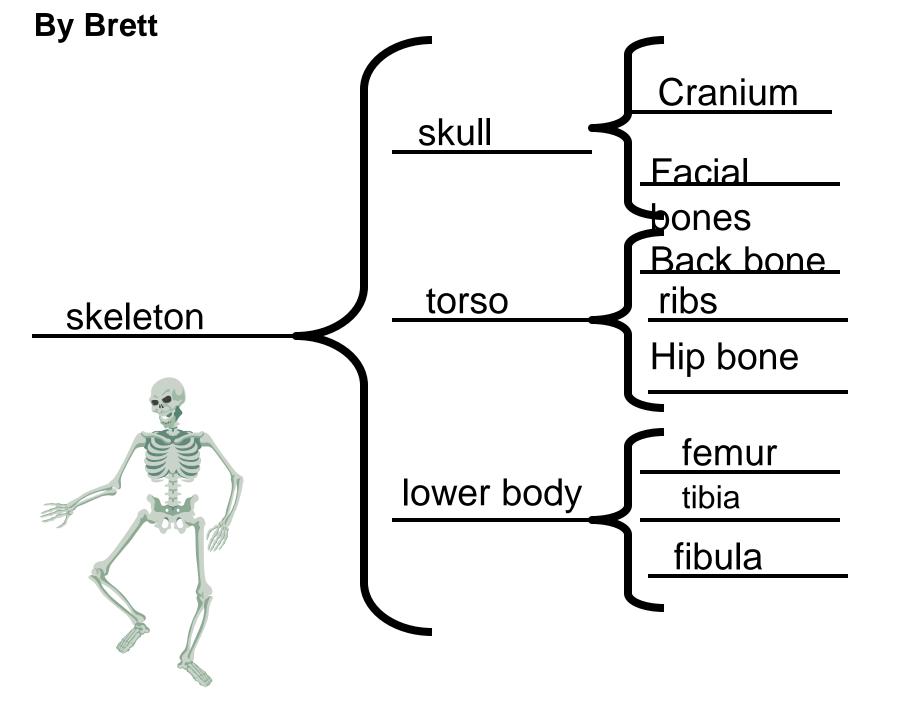
respornsible

Drave-out spoken





The Brace Map for seeing parts of a whole





Science

base

lenses

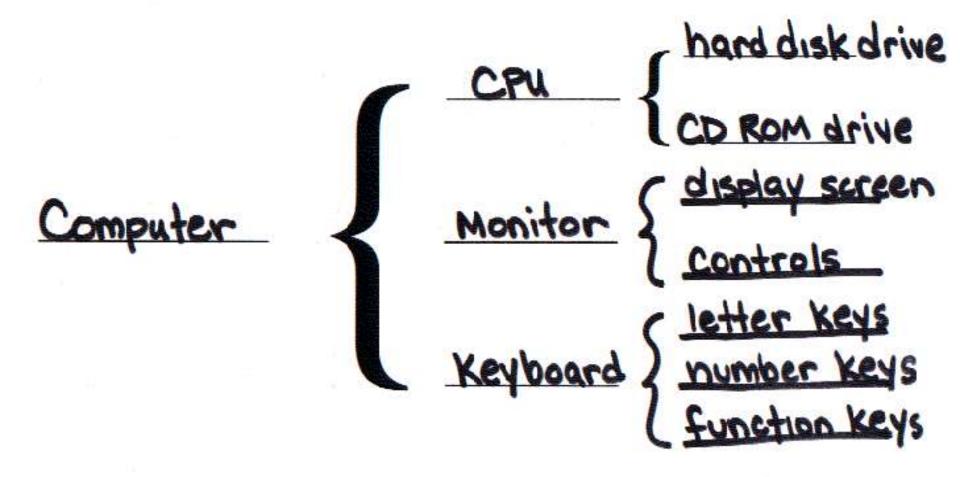
eyepiece

MILLOL

controls

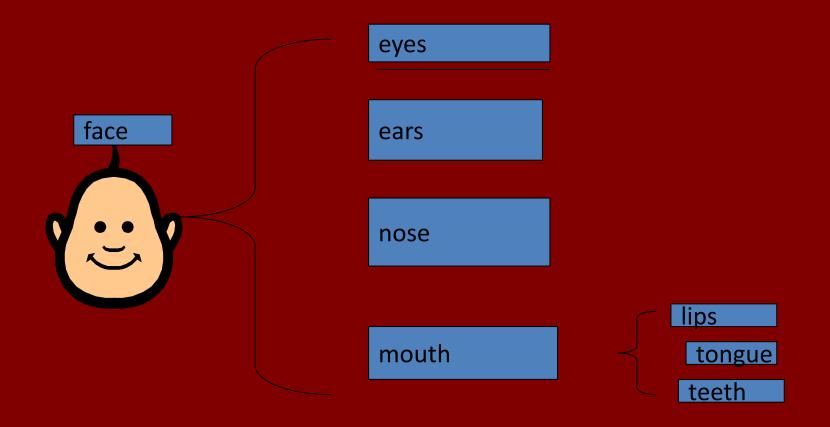


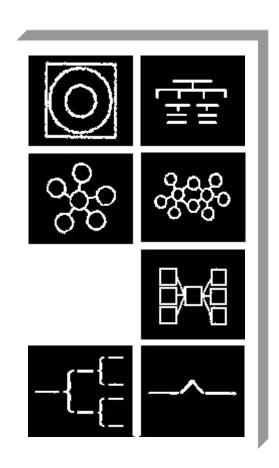
Technology



Brace Map for Physical Analysis of Whole, Parts, and Subparts of Objects

2-25



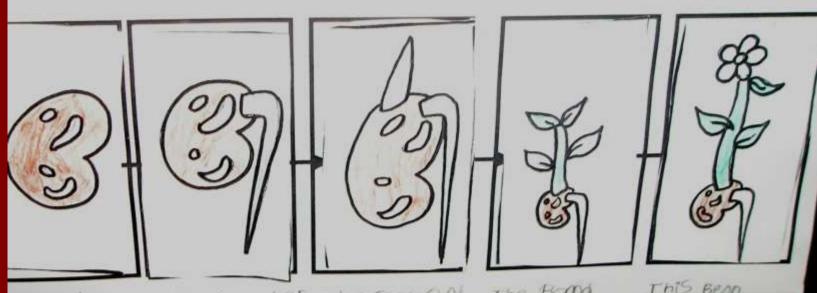




The Flow Map

For seeing events in sequence





lant the 501

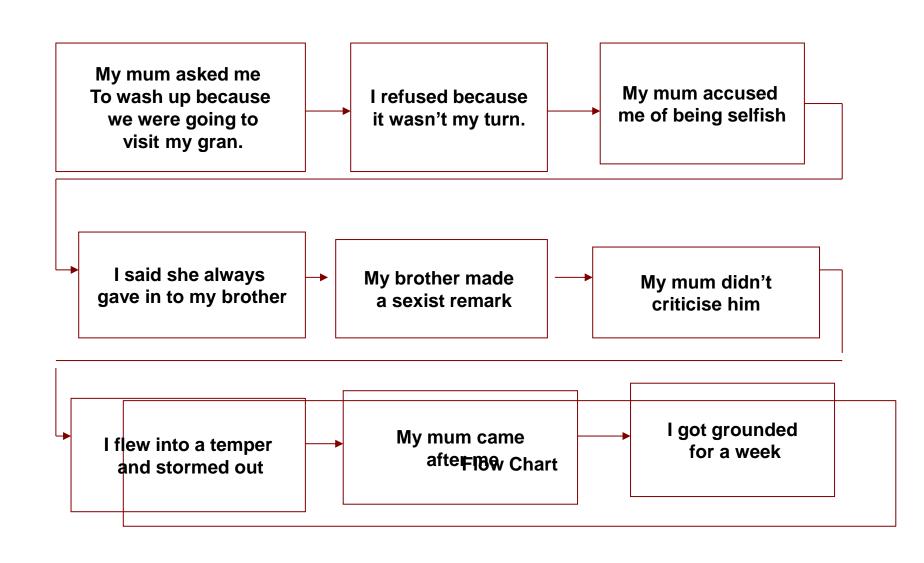
me Next Water The rook and the Beoninto the Bron and a Shoot Will it will grow grow

The Exand This Bean GOT 15 grow WIM has a 10009 Fower

rlow Mop Howa Seed becomes



Yates Mills Elementary School Raleigh, NC, USA



A Flow Map about our day at the Tate Modern

First we got on the coach and we had to wait a long time!

Then we crossed

Some busyroradis.

And then we had

to wait until it
opened and then

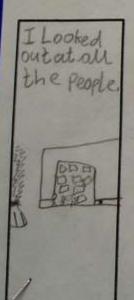
We went to see

Some anomes geat

clossed Towers cold

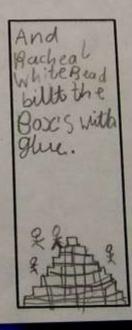
Plastic bax's.

Finally we crossed the busy roads again And we Bot on a not be ward. Westched finding Nemo and handah was sich!





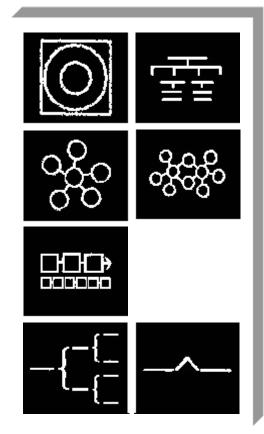
some of the books Tisgardich Snowey Kreamy White neath mamoth book's. Some of the Book's.

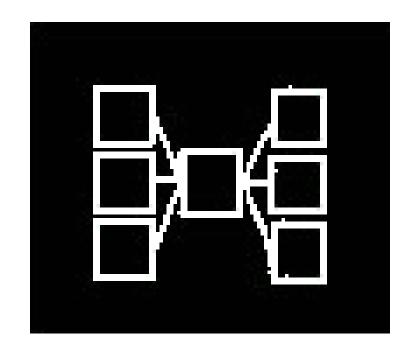


finally we got to See the river temes.

and then we went back to Sdoot

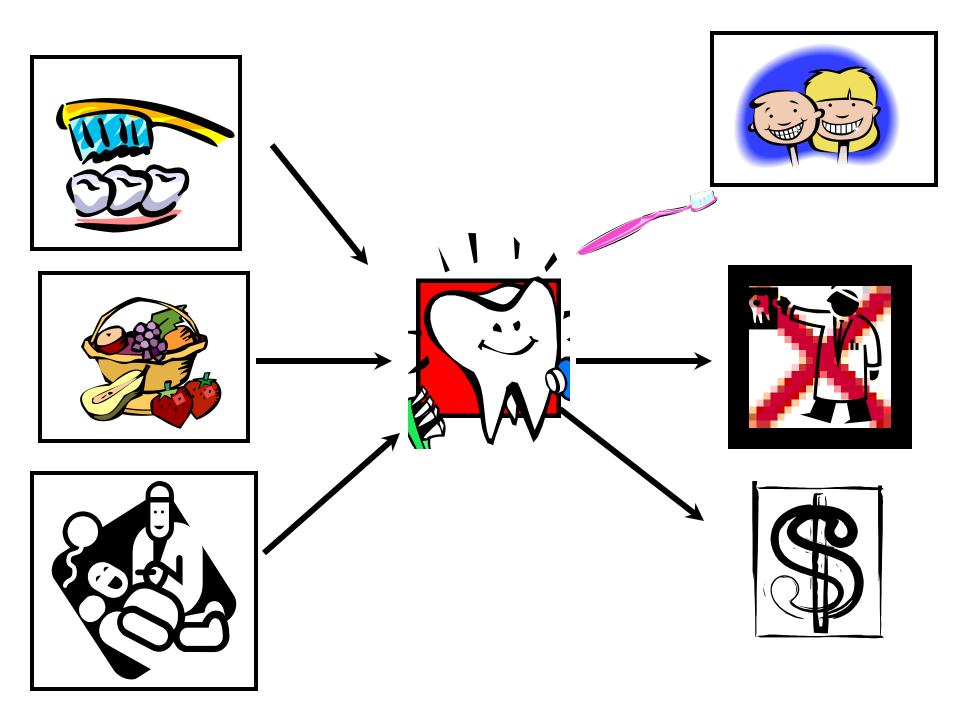
Making bread Sun combine o





The Multi-Flow Map

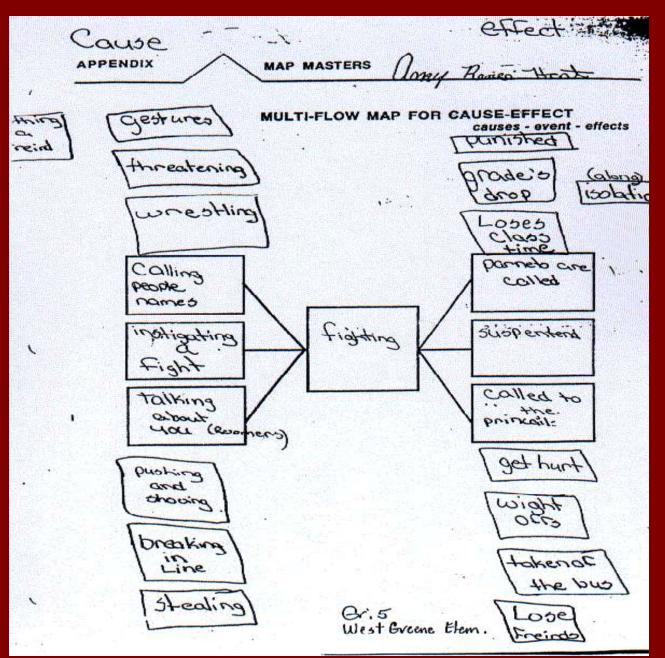
for understanding cause and effect

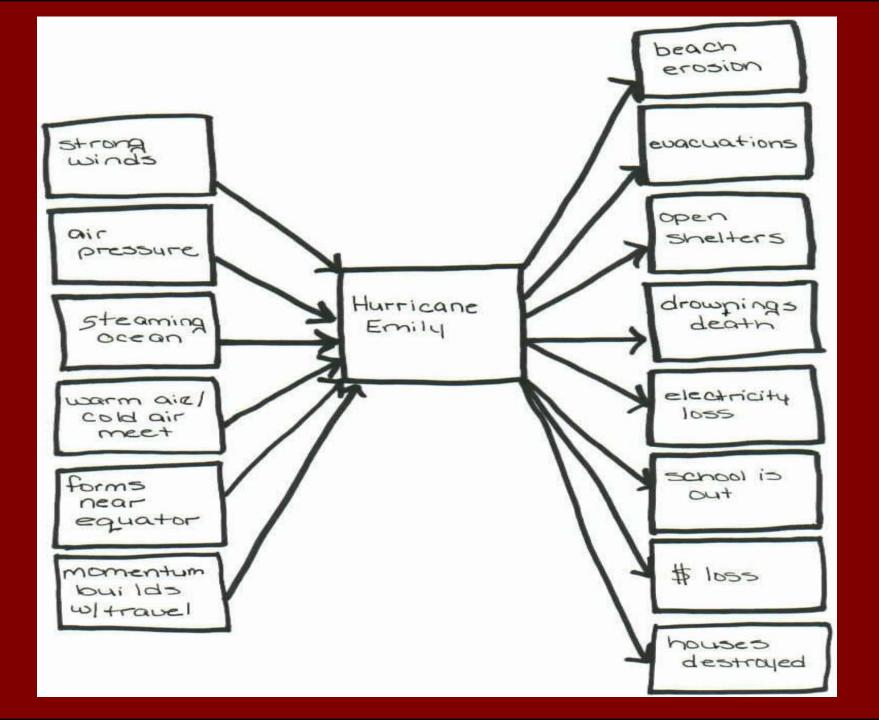


Behaviour Reflections

Reasons for my behaviour	Name Date	Consequences of my behaviour
	Description of my behaviour	
Plan for improvement		Pupil Teacher Parent

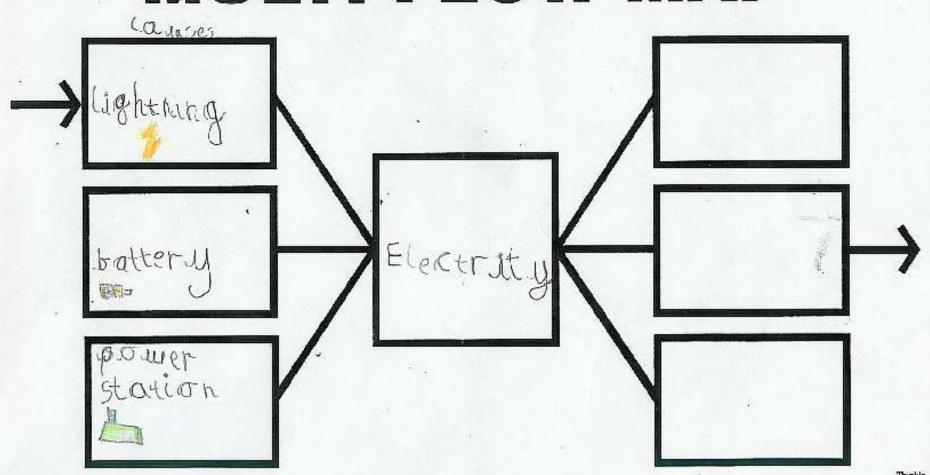
Conflict Resolution





1414 1918 U3 Versailles Rise bemb3 World of! Peoce Histoshim a one nogasaki Treaty nothioraism **History** Germanyis achientration Build op Bonecument kamps Aciled military Strength Hitler German Competition economy WWI WWI for and eva failed committed land guicide Anne System Frank Mazi Died military devoloped alliances Germany's lost Japan Assasination leader, empire, and the war agnnot Archdoke have military Froncis Feidinard Austria-Hungdry D. Johnson - 84h

MULTI-FLOW MAP



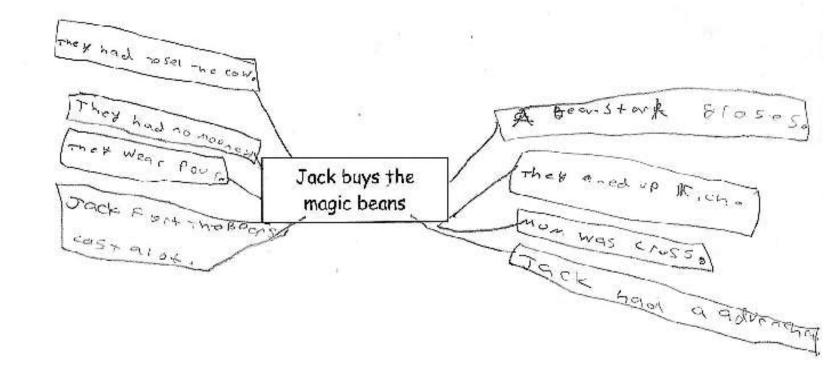
Cause-Effect



7-81-3 Olyson MULTI-FLOW MAP [Books Electricity movement Cause-Effect Journal

Cause CITECT 6 People died. houses was bunt were made out of firewood. The Great most of London Fire of London Ther mas was bunt The Great Fire of London strow on the clown . Sdoor. The city has 2 hot summer. to be re-bie city with

Cause and Effect Map



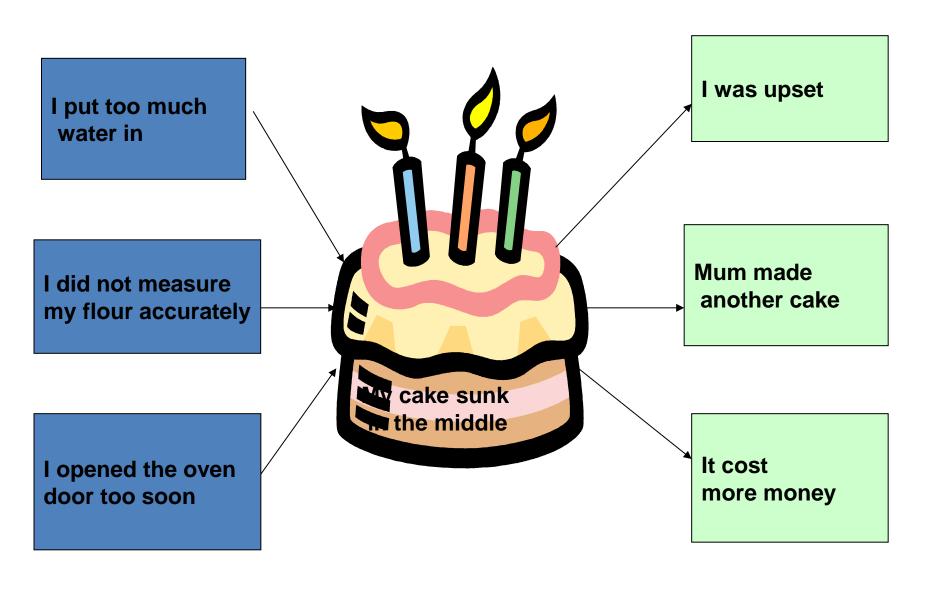
Melissa

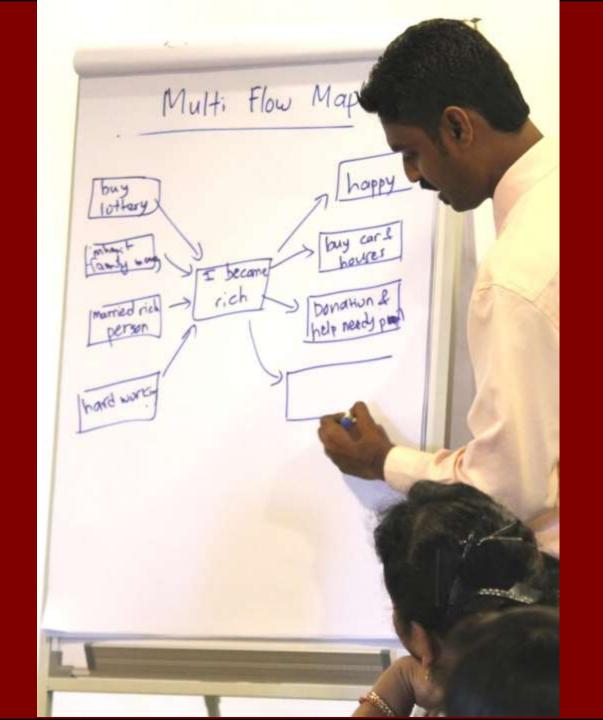
I put too much water in

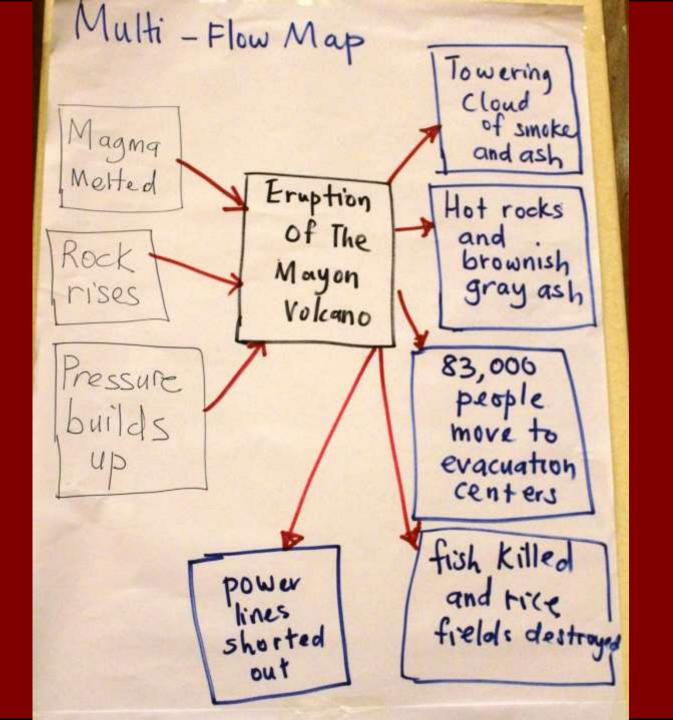
I did not measure my flour accurately

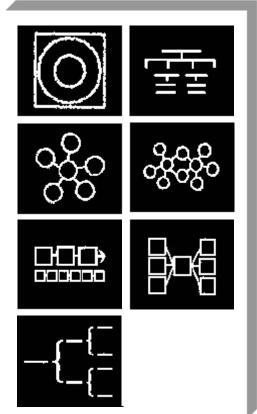
I opened the oven door too soon

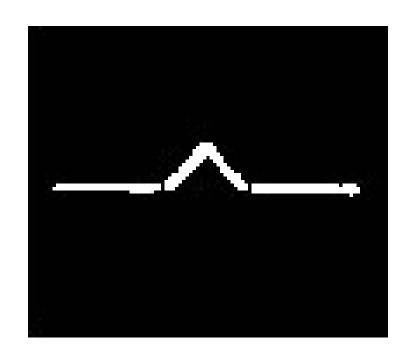




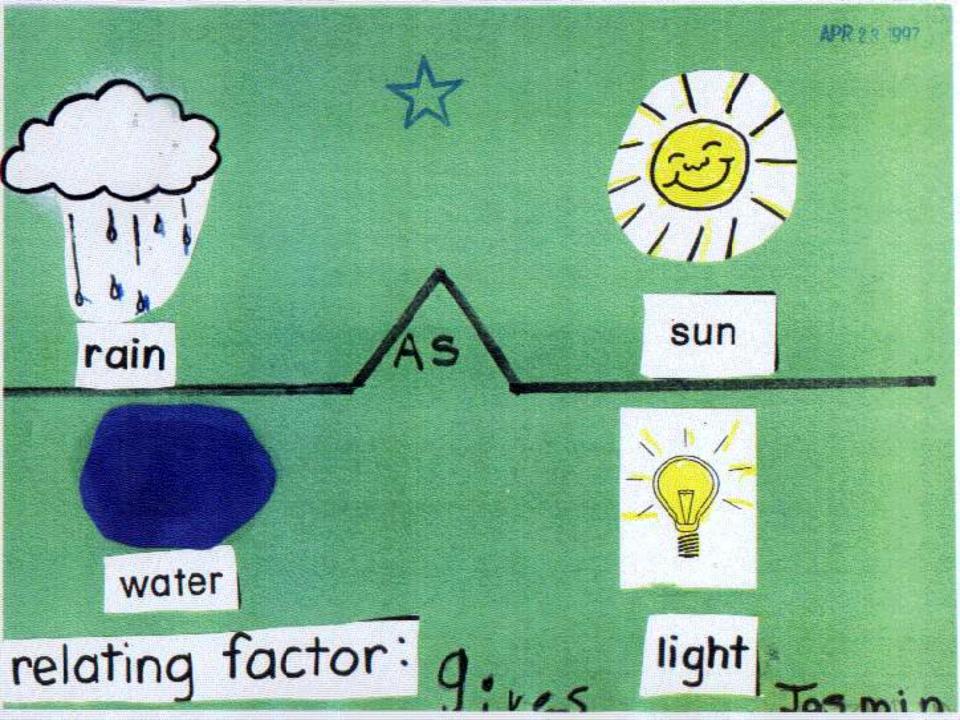






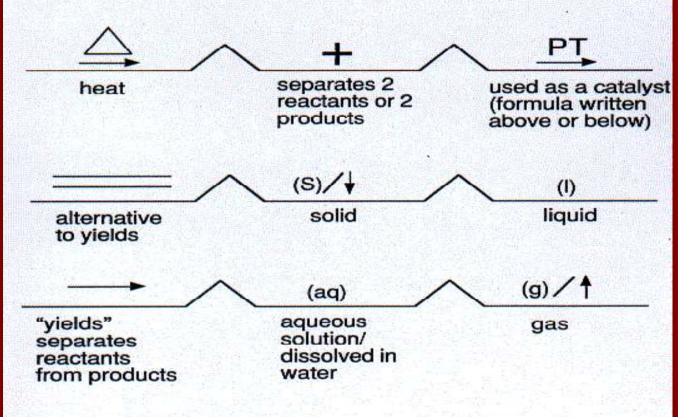


The Bridge Map for seeing analogies

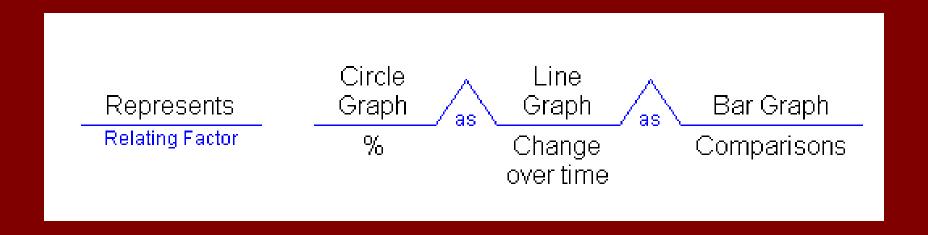


Chemical Equations

Chemistry

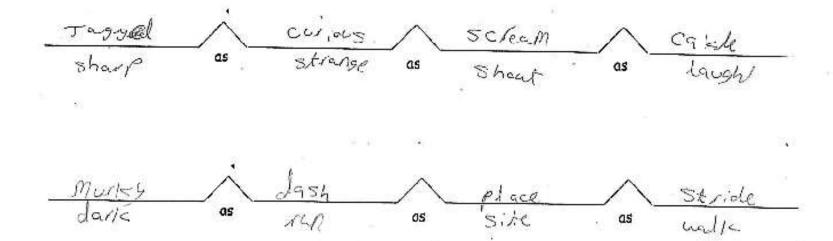


RF: Symbol for



Bridge Map

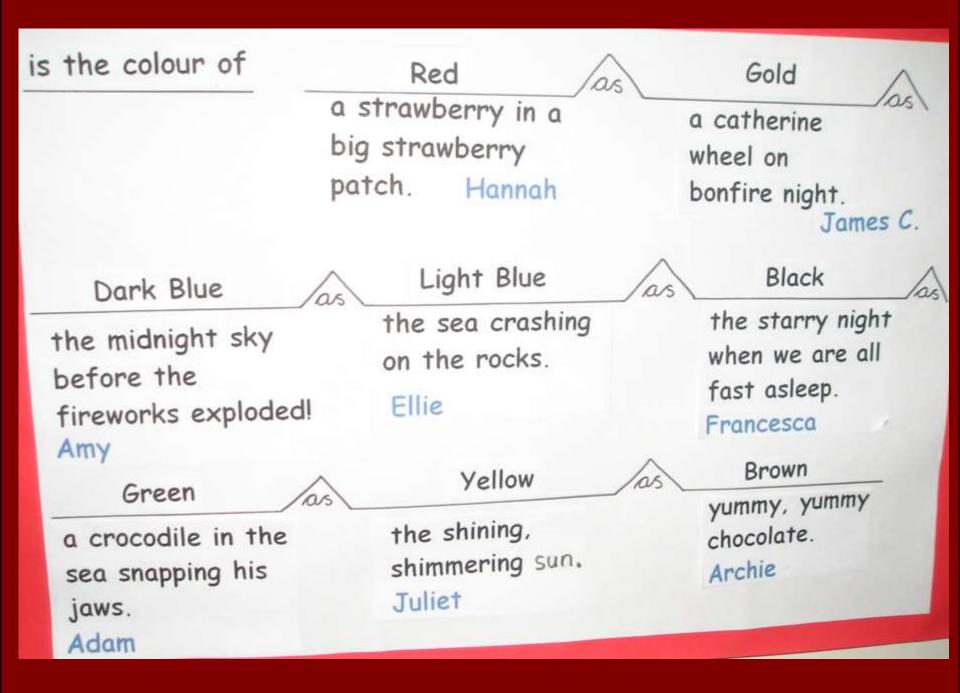
Melissa



is a better word relating factor

Bridge Map.

Is Leg / Wheel / Branch / Leng / Word Fage
Plant Body Car Tree Plant Word book



The use of each Thinking Map reflects a particular question in an enquiry process:

- Circle Map: How are you defining this (concept) and in what context?
- Bubble Map: What are the attributes?
- Double-Bubble Map: How are these alike and different?
- Tree Map: How are these grouped together?
- Brace Map: What are the parts of a physical, whole object?
- Flow Map: What was the sequence of events?
- Multi-Flow Map: What were the causes and effects?
- Bridge Map: Is there an analogy between these ideas?