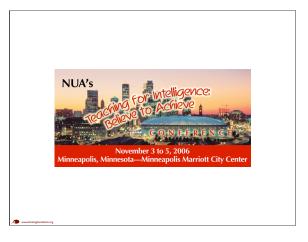
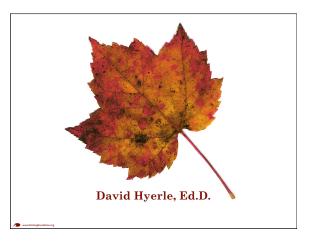


www.thinkingfoundation.org

www.thinkinefoundation.







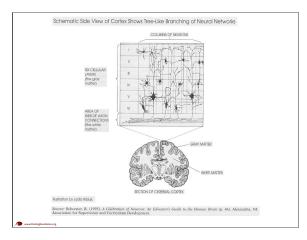


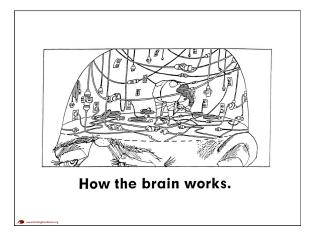
90% *of all information* that comes to our brain is **visual**

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**







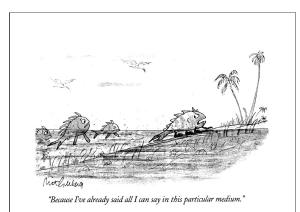
Written or spoken messages are necessarily *linear* sequences of concepts and propositions. In contrast, knowledge is stored in our minds in a kind of *hierarchical* or holographic structure.

When we generate written or spoken sentences, we must transform information from a hierarchical to a linear structure.

Conversely, when we read or hear messages, we must transfer linear sequences into a hierarchical structure in order to assimilate them into our minds.

Novak and Gowin Learning How to Learn, 1984

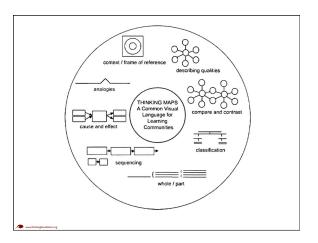
www.chinkineloundation.a

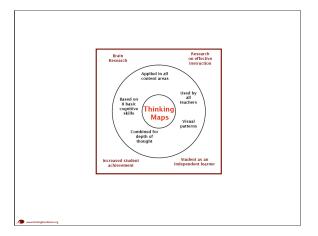




Cognitive Dissonance

between how the brain works and how students think and show what and how they know content and concepts through a Wall of Text.



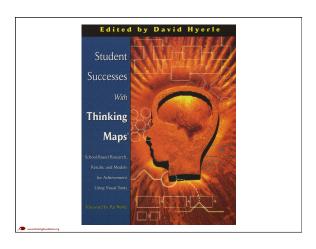


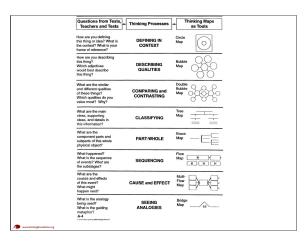
Neuroscientists tell us that the brain organizes information in networks and maps. What better way to teach students to think about ideas and organize and express their ideas than to use the very same method that the brain uses.

Thinking Maps® is what the brain does.

Pat Wolfe

from Student Successes With Thinking Maps Forward







Regardless of the label, graphic organizers can help readers focus on concepts and how they are related to other concepts. Graphic organizers help students read to learn from informational text in the content areas, such as science and social studies textbooks and trade books. Used with informational text, graphic organizers can help students see how concepts fit common text structures. Graphic organizers are also used with narrative text, or stories, as story maps. Graphic organizers can:

- help students focus on text structure as they read;
- provide students with tools they can use to examine and visually represent relationships in a text; and
- help students write well-organized summaries of a text.

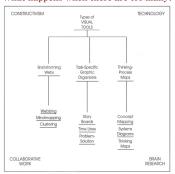




Are all graphic organizers the same?

Are there different types?

What happens when there are too many?



, www.thinkingloundation.or



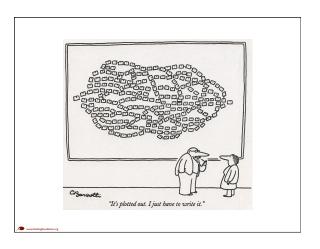
d field guide Visual Tools

Visual Tools Research

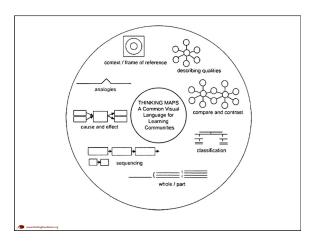
A.S.C.D.

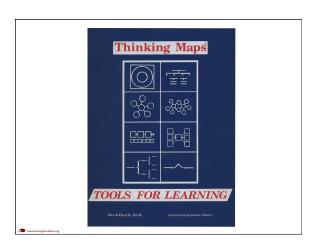
Association for Supervision and Curriculum Development

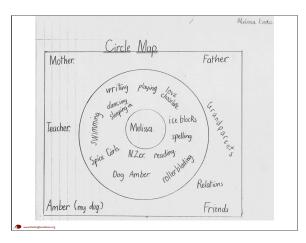


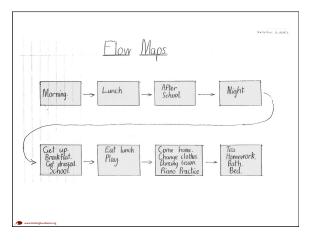


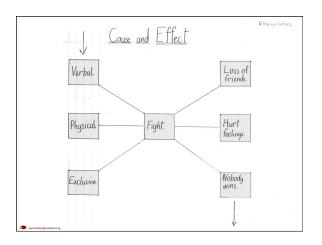


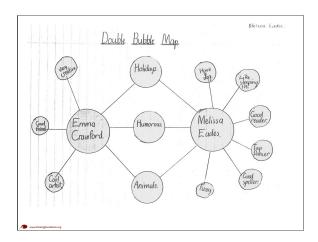


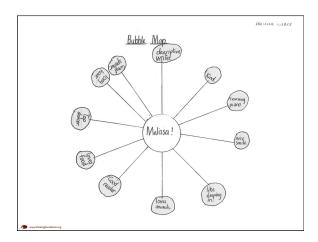


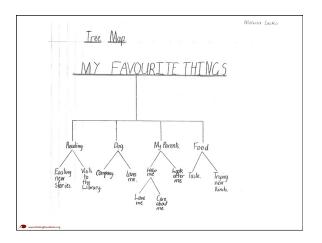


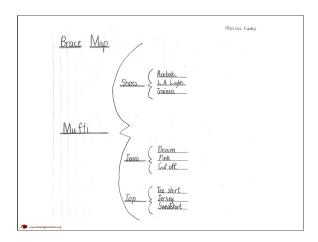


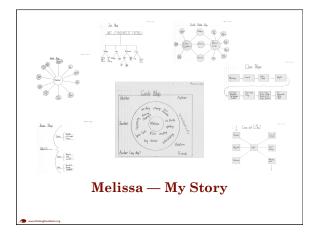


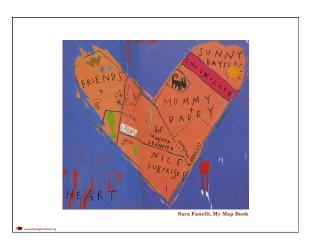


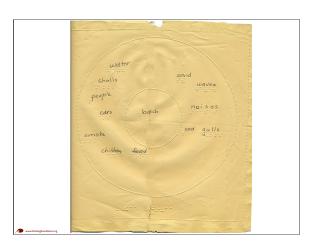


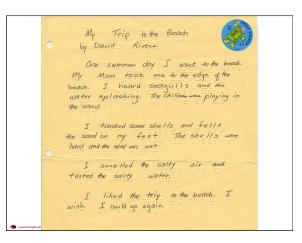


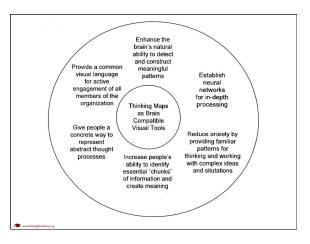




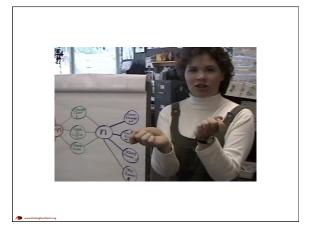


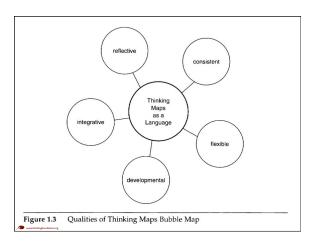


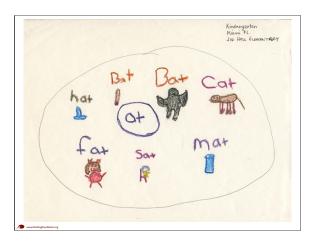


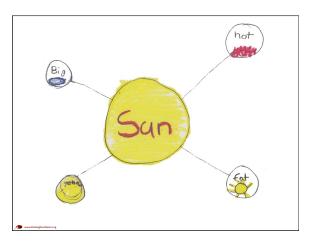


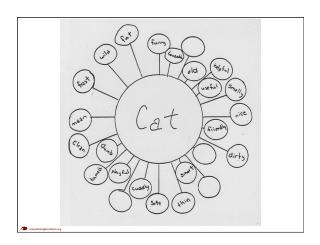


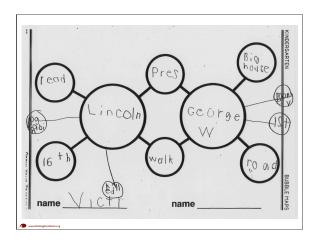






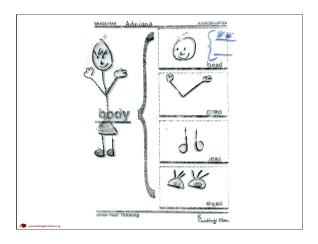




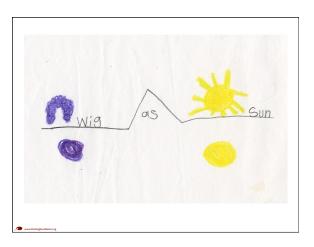










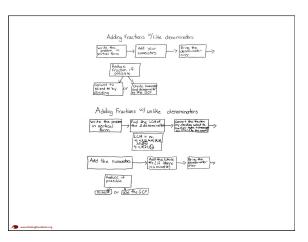


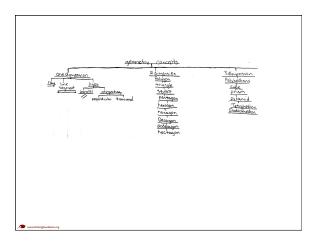
APPLYING THE RESEARCH ON INSTRUCTION: AN IDEA WHOSE TIME HAS COME

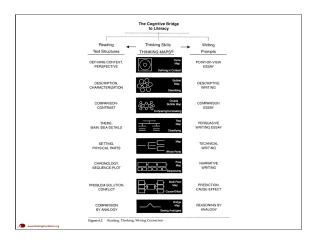
FIGURE 1.3 Categories of Instructional Strategies That Affect Student Achievement

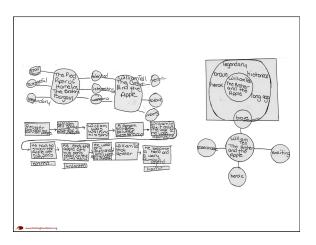
Category	Ave. Effect Size (ES)	Percentile Gain	No. of ESs	Standard Deviation (SD)
Identifying similarities and differences	1.61	45	31	.31
Summarizing and note taking	1.00	34	179	.50
Reinforcing effort and providing recognition	.80	29	21	.35
Homework and practice	.77	28	134	.36
Nonlinguistic representations	.75	27	246	.40
Cooperative learning	.73	27	122	.40
Setting objectives and providing feedback	.61	23	408	.28
Generating and testing hypotheses	.61	23	63	.79
Questions, cues, and advance organizers	.59	22	1,251	.26

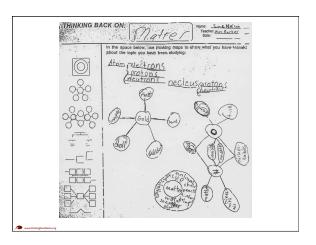
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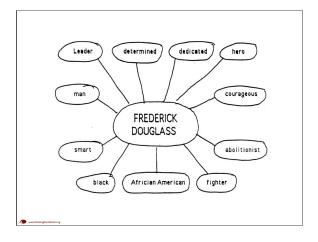


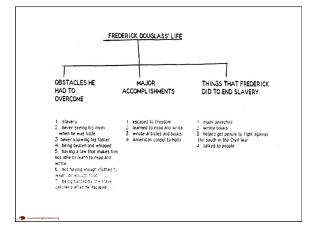


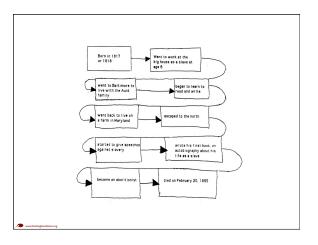












P.S.8 Nicole Fowley
Class 5-203 Feb. 13, 1895

Frederick Douglass was bern a slew around 1017 or 1018. He spent mest of als warry collabore receiving and praying should in the words. Frederick mear refully saw his meditar far shot would be buy swering in the Inside. Right and day, saw the same of the same should be supported by the same should be about 15 was do see that the same should asked the about 15 was do see that the same should asked the about 15 was do see that the same should asked the about 15 was do see that the same should asked the about 15 was do see that the same should asked the about 15 was do see that the same should be about 15 was do see the same should be about 15 was do see the same should be about

that the had disappeared. When he realized that she had left him, he cried and cried. This is when his childhood ended and his life as a slave began. Frederick labored on the plantation, working long, hard days. Life as a size

Frederick labored on the plantation, working long, hard days. Life as a six was really wiful. He got very little rest, not enough food, and he never had enough clothing to wear. If he did not obey the wwher, he was whipped or hurt in some other ways.

family. There he so care of the major is last to the solid family. There he so care of the major is intention to family. There he so care of the major is intention to read and write. It was against his last to the solid family and beginn to tech him have to read and write. It was against leave to take the same solid family and writing was important, as the continued to secretic seath himself. He did this by severities scealing that major the solid family and writing was important, as the continued to secretic seath himself. He did this by severities scealing newspapers and studying them, an experiment occurrence.

He began to read everything be could about slewerly end the soletilate into the people who fought against allowery. This included reading about the free stock in the sorth waters there was no allowery. He haded slewerly more and mare, and knew that one day he would live in the north.

Before he escaped to the north, he taught other slewes to read and write. He was beaten by his measure a number of times, and this made him even more determined to escape. Finally he escaped to the orth and he became an abuiltionist. Frederick was a very good speaker and writer and many people old.

autobiography called the Narrative of the Life of Frederick Daugham, an American Since.

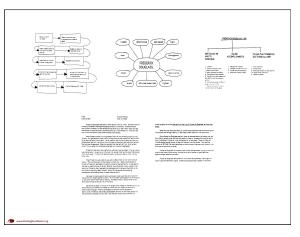
When his book was published, it turned many people's minds into knowing the truth about how wrong slavery is. But many others were still not convinced.

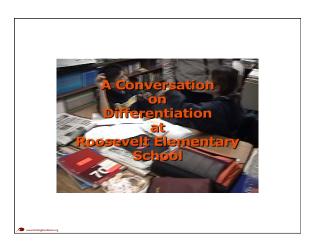
Since Frederica Couplism and still been an excased slives, he feared that the Asif family would come and tax him back to always. He was conviced he had to mere to Brigant Frederical twice in Begand for a few year. Then, his Signita friends arend except meany to bay his freedom from the Audio. This was the amount of \$170000, his them came alact to America as a free man, and level his life with his write and his Celliforen.

Frederick, Douglass wrote many other books and speeches, trying to convince people that slavery was wrong. He also believed in warmen's rights and was against drugs, especially alcohol.

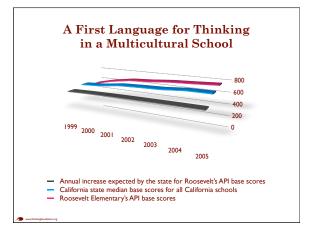
Frederick Deuglass dedicated his life to obelishing slavery. He fought for equal rights and warren's rights. Frederick Douglass was a symbol of freedom.

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Roosevelt Elementary School

Year Round School

Number of K-5 Classes: 55

Total Enrollment: ~ 1,150 students

Free Lunch: 100%

ELL Students: ~ 85%

Demographics:

Hispanic: 82%

African-American: 9%

Asian: 6% Other: 3%

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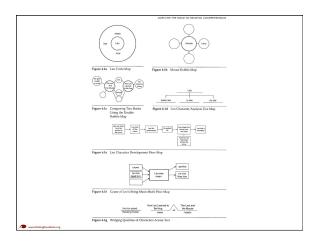


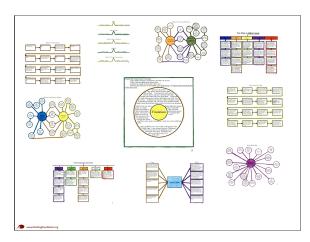
How can adults influence how children and youth organize their thinking?

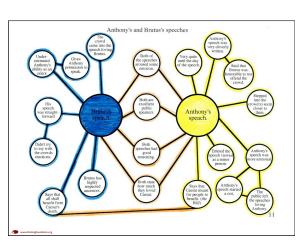
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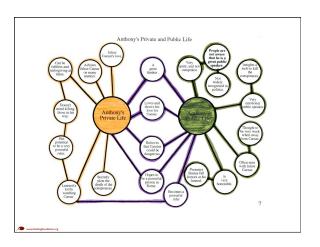


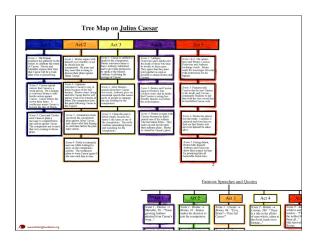
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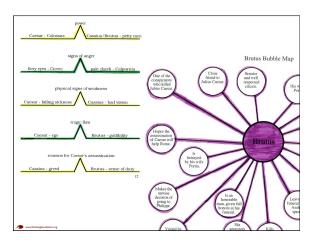


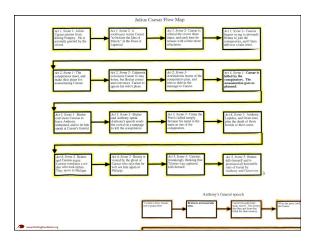


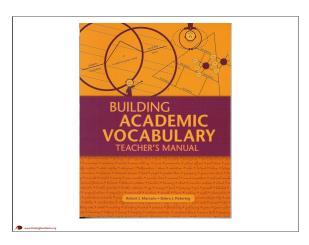


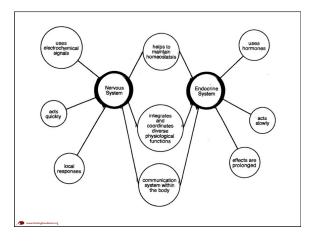


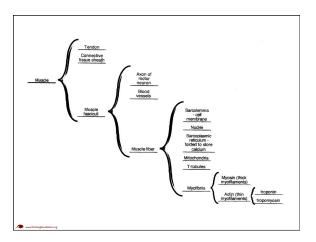




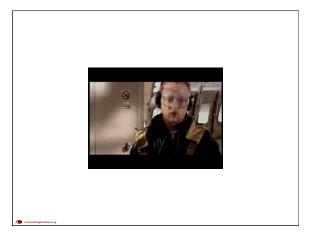












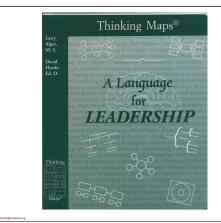
The word organization is a product of how we think and how we act; [it] cannot change in a fundamental way unless we can change our basic patterns of thinking and interacting.

Peter Senge The Learning Organization Made Plain October 1991



"We need a map, we need a tree map, we need to break the plan down."

Marcie Roberts Norman Howard School Principal



"Modeling that tool for the board members has been phenomenal... and we are doing a training with the board members so can be proficient with the maps."

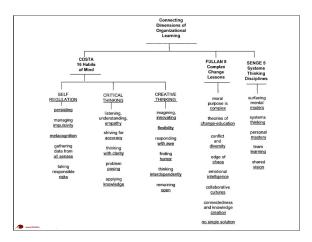
Marcie Roberts Norman Howard School Principal

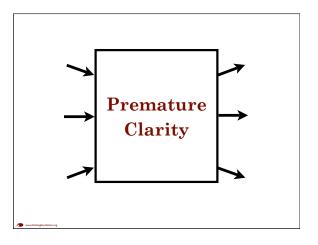


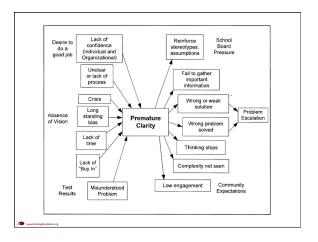
Leading and Learning

Purpose: using Thinking Maps as a common visual language in your learning organization for Applying and improving thinking processes Communicating ideas and points of view Generating sustainable solutions and Assessing progress over time.

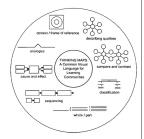






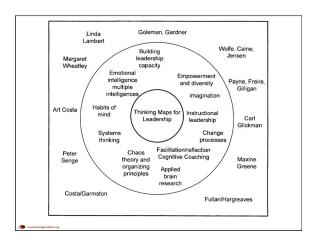


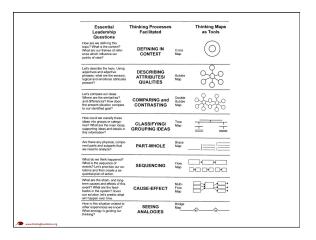
"Many would argue that we've used such a small part of our mental capacity because of our insistence on linear thinking."

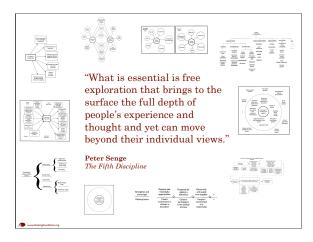


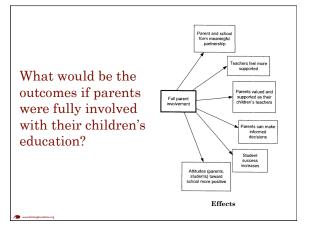
Margaret Wheatley Leadership and the Science

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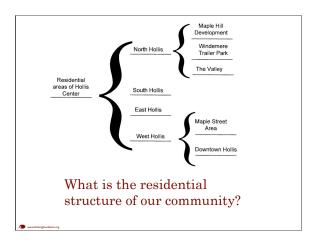


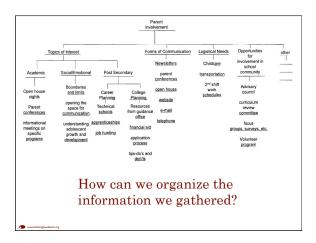


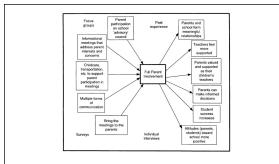


By comparing and contrasting other groups what can we learn that can informs our thinking?

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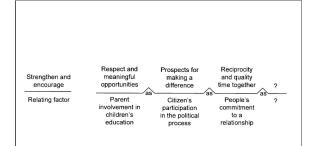






What would contribute to parents becoming fully involved?

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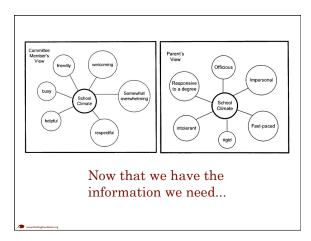


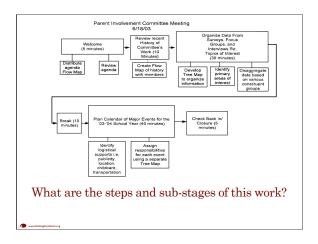
What is needed in a school to strengthen and encourage parent involvement?

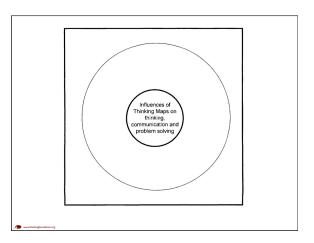
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Who are the *parents* in our community?







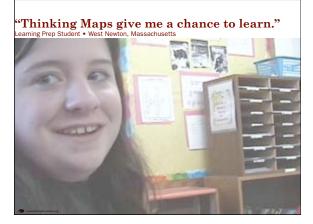
Thinking Maps is one of the most powerful tools that Learning Prep School uses to facilitate learning for students who have been unable to succeed in other educational environments.

Cynthia Manning, M. Ed.

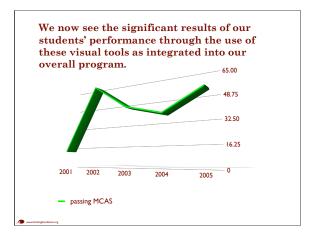
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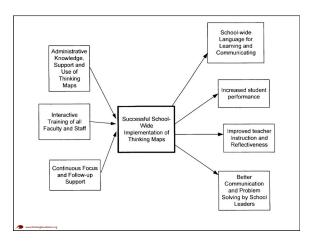
...students can see themselves differently, as independent learners capable of "getting it"...

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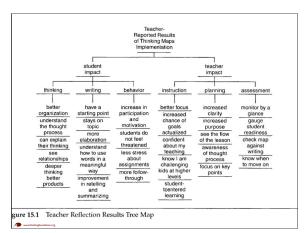




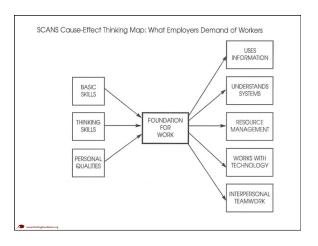


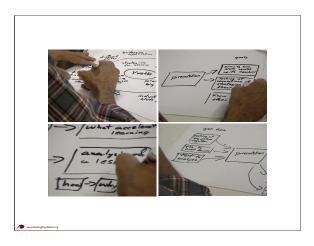






Characteristics of Today's and Tomorrow's Schools SCHOOLS OF TODAY SCHOOLS OF TOMORROW STRATEGY · Focus on development of basic skills Focus on development of thinking skills
 Assessment integral to teaching Testing separate from teaching LEARNING ENVIRONMENT Recitation and recall from short-term Students actively construct knowledge for memory themselves Students work as individuals Cooperative problem solving Hierarchically sequenced-basics before higher
 Skills learned in context of real problems order MANAGEMENT Supervision by administration Learner centered, teacher directed OUTCOME Only some students learn to think All students learn to think Source: Secretary's Commission on Achieving Necessary Skills (SCANS), (1991). What Work Requires of Schools: A SCANS Report for America 2000 (p. 22). Washington D.C.: U.S. Department of Labor.







Questions to elicit goals of the planning conversation

PLANNING:

1. Clarify goals

2. Determine Success indicators

Anticipate approaches, strategies, decision, and how to monitor them

Identify personal learning focus, data to be collected, and a plan for collecting evidence

REFLECTING: Analyzing Summarize impressions

Recall supporting information

Applying Construct new learnings and applications

Sample Questions

What are some of the goals you have in mind for this lesson?

As you envision the lesson progressing, what will you be alert to as indicators that you are achieving your goals?

As you experiment with your instructional strategies, what skills are you interested in perfecting? What will you pay attention to in your own and your student's behavior to let you know that your strategies are working?

As you reflect on your lesson, how do you feel it went?

What did you notice in your student's behavior that indicated success?

What are some of your hypotheses about the factors that contribute to the success of the lesson?

What new insights will you carry forth in your work? How might you apply them?

As you reflect on this coaching session, what did it do for you?

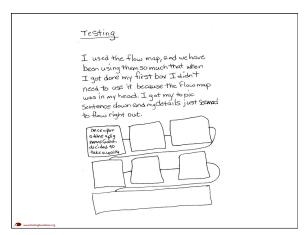
As you consider my role, what suggestions do you have to increase my effectiveness as a coach?

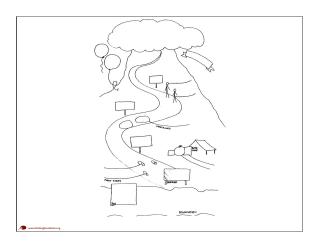


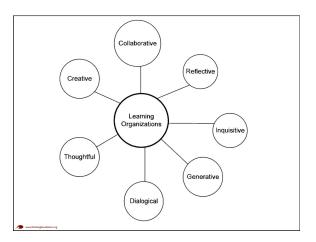
"It is a great metacognitive process for me."

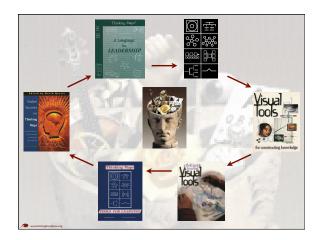
Yvette Jackson - Executive Director National Urban Alliance for Effective Education













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