

# Laptop Learning:

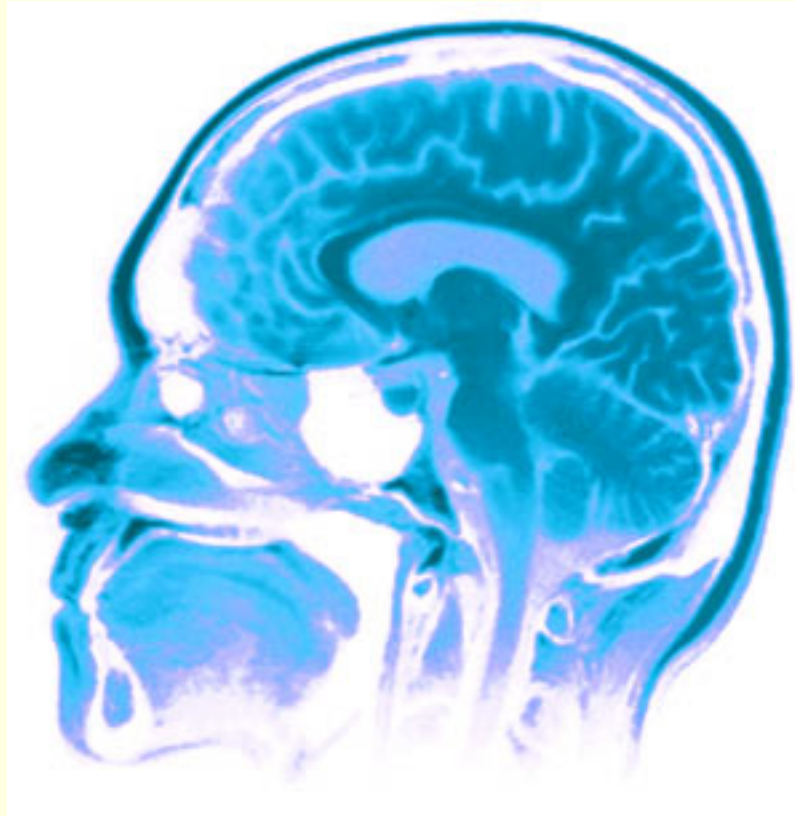
■ Rollin' to the  
Classrooms !!!



Your Guide:  
Helen Teague, MEd.



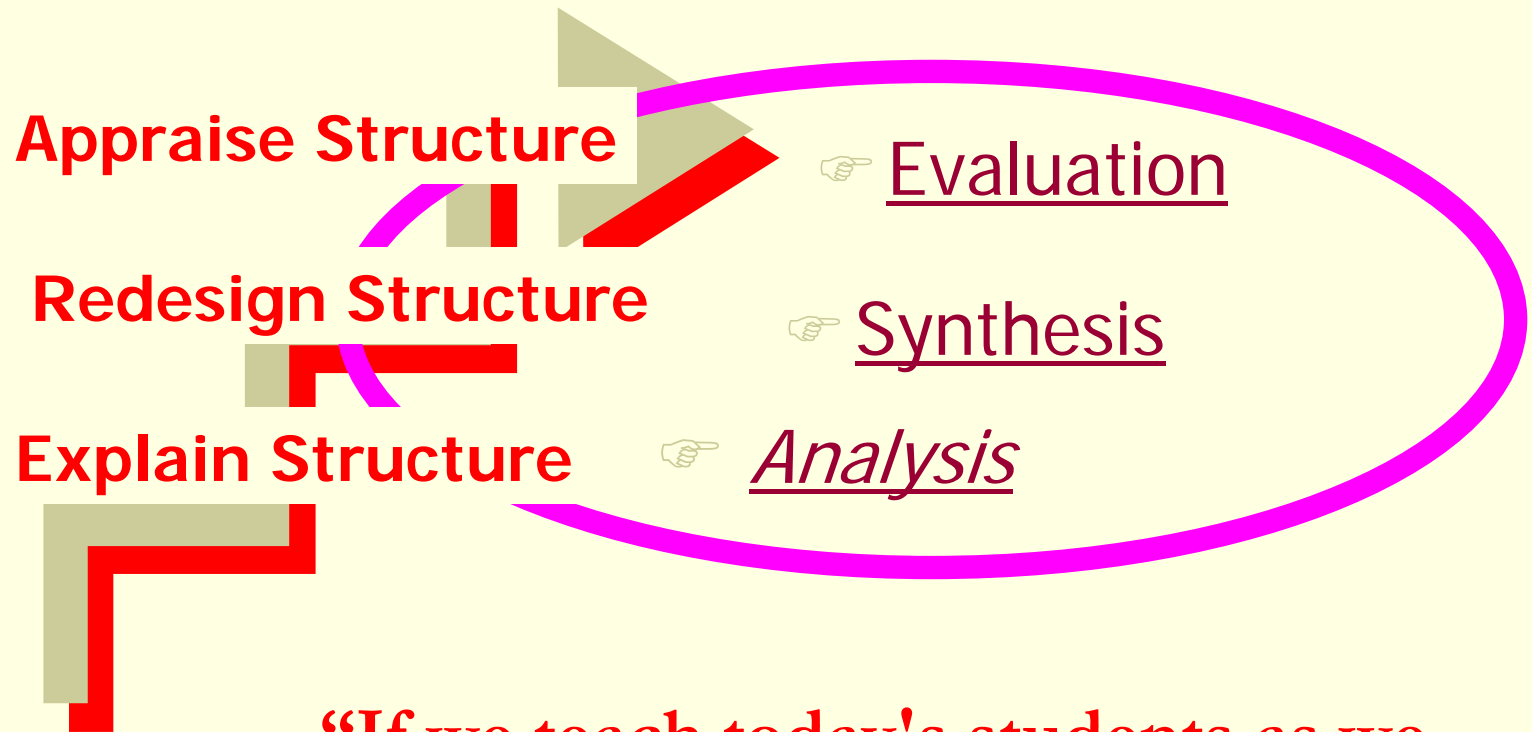
# What We Learn ...



...is a function of our aptitudes *and* effort. *Lauren Resnick*



# Inquiry Learning With BLOOM's Taxonomy



“If we teach today's students as we taught yesterday's, we rob them of tomorrow.” ~*John Dewey*



# Cone of Learning (Edgar Dale)

After 2 Weeks

We Tend to Remember . . .

Nature of  
Involvement

10% of what we Read

Reading

20% of what we Hear

Hearing Words

30% of what we See

Looking at Pictures

Watching a Movie

Passive

50% of what We  
Hear and See

Looking at an Exhibit

Watching a Demonstration

Seeing it done on Location

70% of  
what we  
Explain

Participating in a Discussion

Giving a Talk

Doing a Dramatic Presentation

Simulating the Real Experience

Active

90% of  
what we  
Say and Do

Doing the Real Thing

Products



# Focus on Five Primary Goals

1. Improve student academic achievement through appropriate use of technology
2. Increase the marketability and academic competitiveness of students by preparing them more effectively for today's technology-driven workplaces and universities
3. Increase equity of access to technology and digital resources, thereby reducing the digital divide
4. Improve the quality of student-centered, differentiated instruction
5. Utilize technology to assist teachers in the demanding work they do.



# ISTE's Benefits for Students

- ✓ Helps students improve their **technology and information processing skills**, preparing students for **higher education** and jobs in the technology-driven **global economy**
- ✓ Provides crucial support for **constructivist instructional practices** and motivates students to become **self-directed learners**
- ✓ Helps students **stay organized** and on track with their schoolwork



# ISTE's Benefits for Teachers

- ✓ Helps teachers become more adept and confident in using education technology for **planning, teaching, and communication**
- ✓ Provides teachers with ready access to a whole world of **curricular resources** that encourage and support the development of **richer lessons**
- ✓ Helps teachers **communicate** more frequently and effectively with students, parents, and colleagues



# Teacher Observations: Advantages

1. Online research available at your fingertips
2. Electronic submissions of student work
3. Secure student folders
4. Incorporation of interactive websites into instruction
5. Enabling student creativity
6. Writing process – time is cut in half as students save drafts, and correct as they go!!
7. Communication capabilities with both students and parents via e-mail and teacher's web pages



# Teacher Observations: Challenges

1. Time! Time! Time!
2. “You can come into my classroom anytime and you won’t see my using any of this.”
3. Moving from passive to active learning
4. Moving from passive to active teaching
5. Changing past practices of classroom management
6. Managing/monitoring student usage

*“no matter what you do we will figure out a way around it.”\**

7.

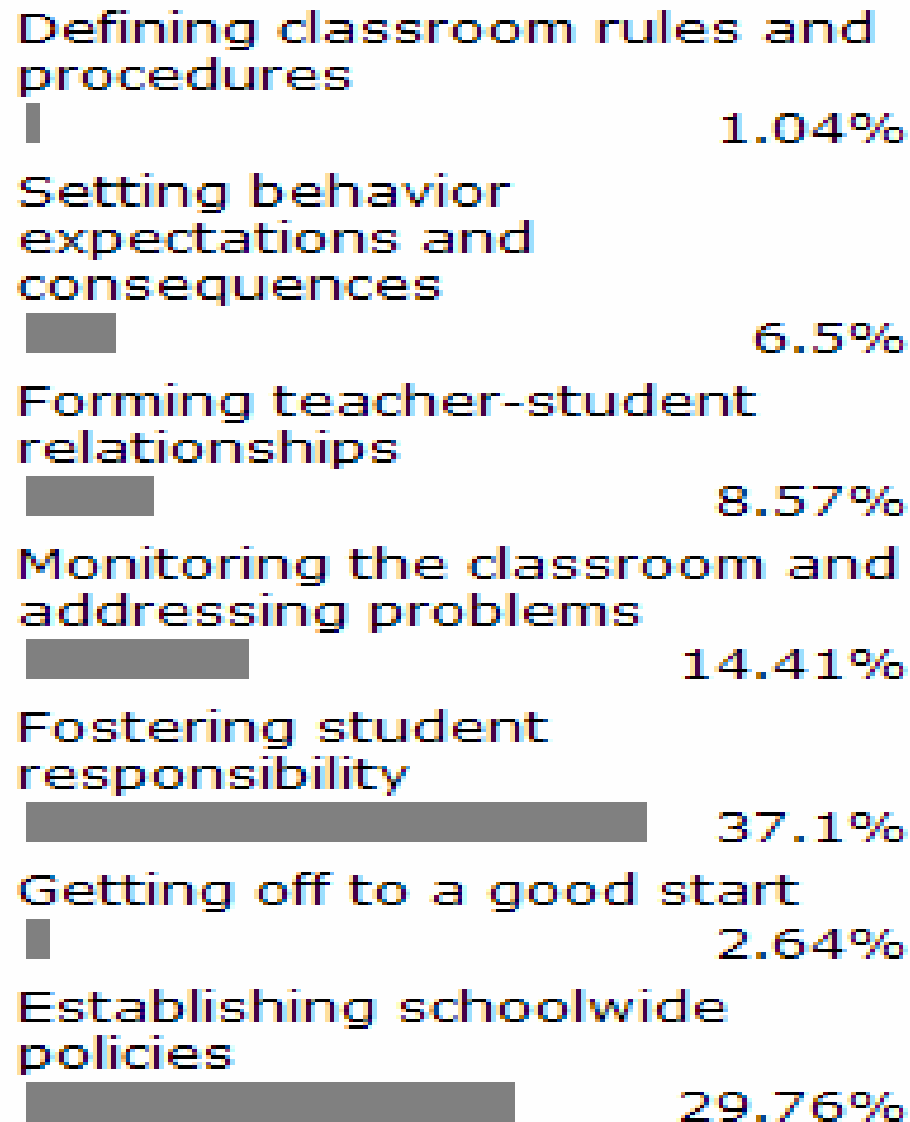


# Time! Time! Time!

- 95% of schools and 80% of classrooms are connected to the Internet. 87% of teachers say they're comfortable using the Internet
- BUT only **33%** of US teachers actually use tech resources--> **78% said lack of time**, **50%** use it for less than 30 minutes a day, **6%** use it for an hour or more.\*



Which element of effective classroom management is the most challenging to implement?



## ASCD Poll



What should professional development efforts focus on most over the next five years?

Assessment



10.69%

Collaboration



14.91%

Instructional strategies



46.41%

Learning styles



5.77%

Teacher leadership



9.56%

Technology



7.88%

Other



4.78%

ASCD  
Poll



# Procedural Issues



**Reserving  
Carts**



**Returning  
Carts**



**Online  
Calendar**



**Labeling**



**Missing  
Items**



**...AND...**



# Sample Forms to Use:

Cart  
Check-Out

Guidelines  
For  
Teachers

Guidelines  
For  
Students

Action  
&  
Preparation  
Steps



# Recommendations:

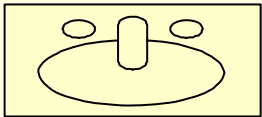
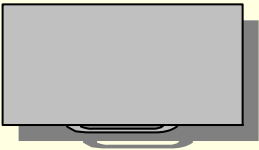
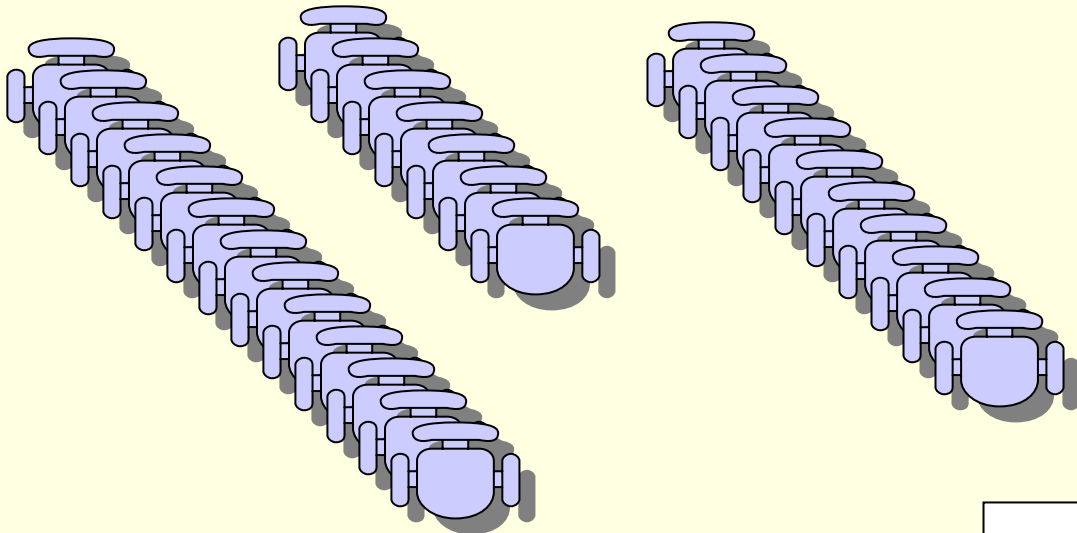
- Look at Classroom Set-up
- Review Best Practices
- Plan Lesson Scheduling
- Go Visit and Brag



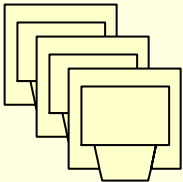
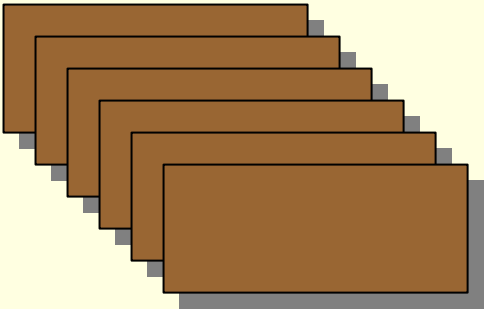
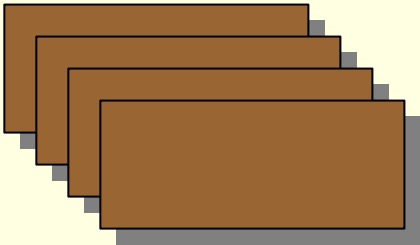
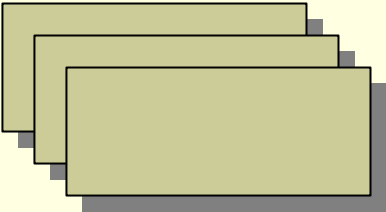
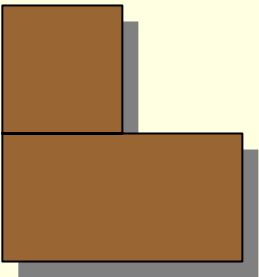
# Classroom Layout Activity

- Using the next slide, design your room. Think of how the design would facilitate the use of laptops and laptop carts.





Laptop cart



# Classroom Set-up: *Memory Spots*

Create “Memory Spots”  
in the Classroom:

Designate a permanent spot for:

Designate a permanent spot for:

- ✓ Laptop Carts
- ✓ Homework Assignments
- ✓ Completed Assignments
- ✓ Make~Up Work
- ✓ Extra Credit Work
- ✓ Art Materials

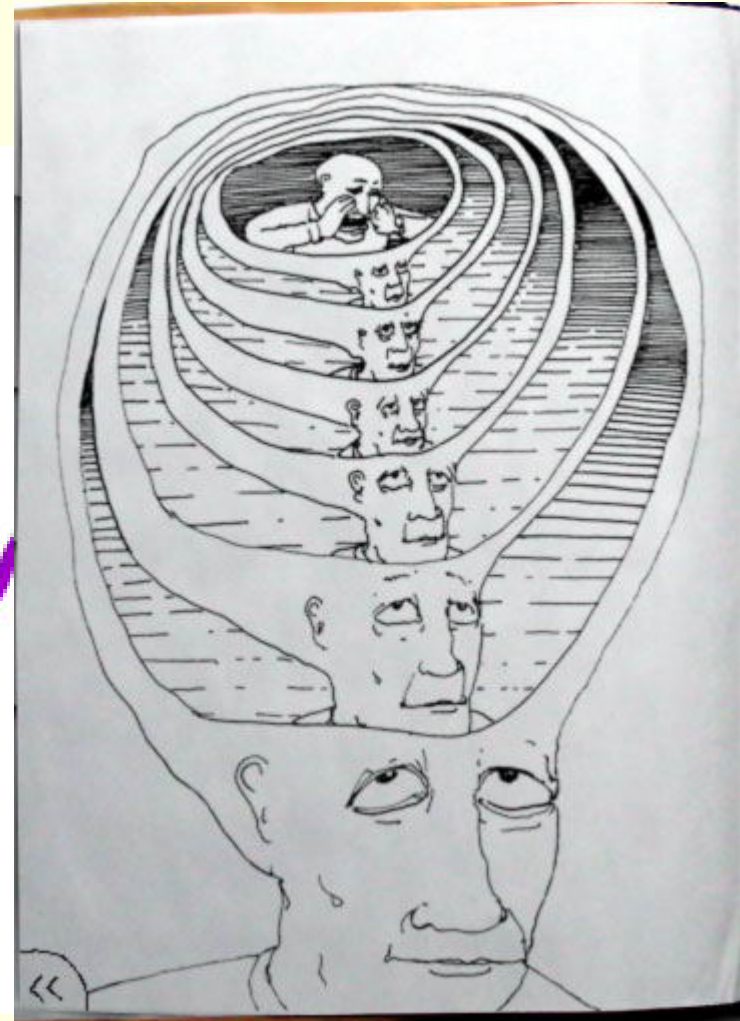
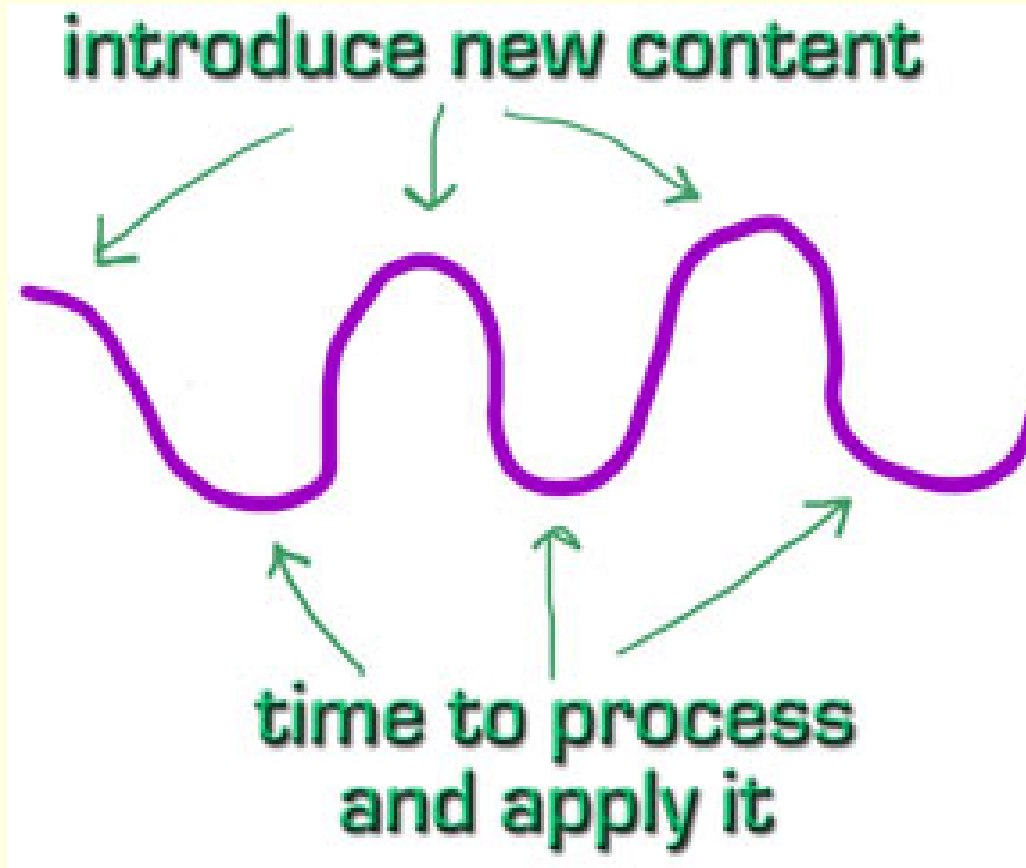


# Recommendations:

- Look at Classroom Set-up
- Review Best Practices
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# Best Practices: We Think in Pictures ...



# It Was So Cold ...

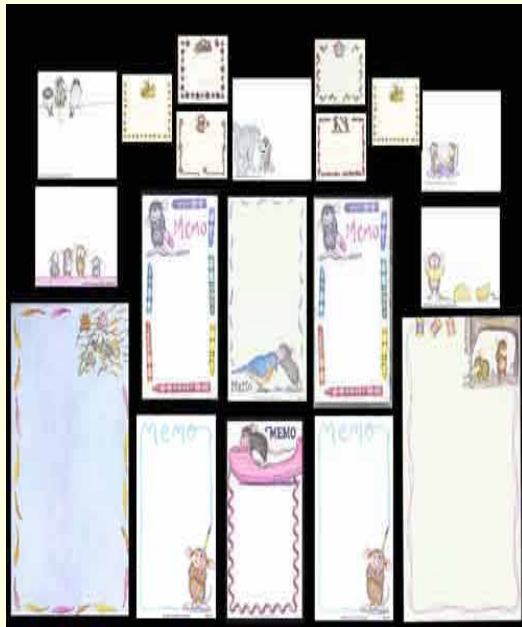


# Best Practices: Lesson Hook

Who Is This  
Man?



# Best Practices: *Use* Warm~Ups



## ❖ EJournal Prompts



<http://4eeps.com>

## Daily EJournal Prompts

*To encourage daily writing & reflection among students in grades 6-12.*

**"You'd be reading a book, snacking, talking or having a nap if you were on a train"**

Want one of these? [www.sierraclub.org/sprawl/transportation](http://www.sierraclub.org/sprawl/transportation)



Bumper Stickers

# WarmUp Idea: Use *Tribonds*

- Step (on) Pets
- Never odd or even
- Madam I'm Adam



**TRIBOND®**

- Superman
- 70's Elvis
- Massachusetts

□ Tribond Lesson





# Switch It

- Suggest this puzzle to a friend
- License this puzzle

**To Play:** Each row contains a word which can be rearranged to make another word with the same letters. Click on a row to begin. Enter a rearranged word in the blank boxes in each row. Incorrect entries will appear in **red**. Use delete or backspace to erase. Use the arrow keys to move up, down, left and right. The puzzle will blink when completed correctly.

O	G	L	E						
S	O	U	P						
R	O	O	S	T					
R	O	U	T	E	D				
L	U	R	C	H					

Found @ the “Game-A-Day” link on the OOPS website: <http://4oops.com>



# Best Practices: Use Graphic Organizers

Name \_\_\_\_\_

The Average Student Studying With the  
Aide of Organizers Learns as Much as  
the 90th Percentile Student Studying  
the Same Content Without the  
Assistance of Organizers.

Source: Dr. Max Thompson

<http://www.tlcsu.edu/tlclink/NWLChart.html>





# Example Story Graph: Charlotte's Web

Story Events	1. Mr. Arable gets axe	2. Mr. Arable gives Wilbur to Fern	3. Goose helps Wilbur escape	4. Wilbur hears voice at night	5.
Good News		X			
+2				X	
+1					
Neutral					
-1			X		
-2					
Bad News	X				



# Graphic Organizer: *Inquiry Chart*

Topic:	Key Question #1	Key Question #2	Key Question #3
<u>Source:</u> Textbook			
<u>Source:</u> Internet Research			
<u>Source:</u> Internet Site			



# Laptop Strategy:

... *MAD*

Show info to Students.  
Invite them to analyze  
this info and create  
their own file with  
something:

- **Missing**
- **Added**
- **Deleted**



# Best Practices: Use Existing Software

- Using MS Office in the Classroom
- 100 Days of Technology
- Internet Intervals
- LISD Lesson Plans
- Integrated Products

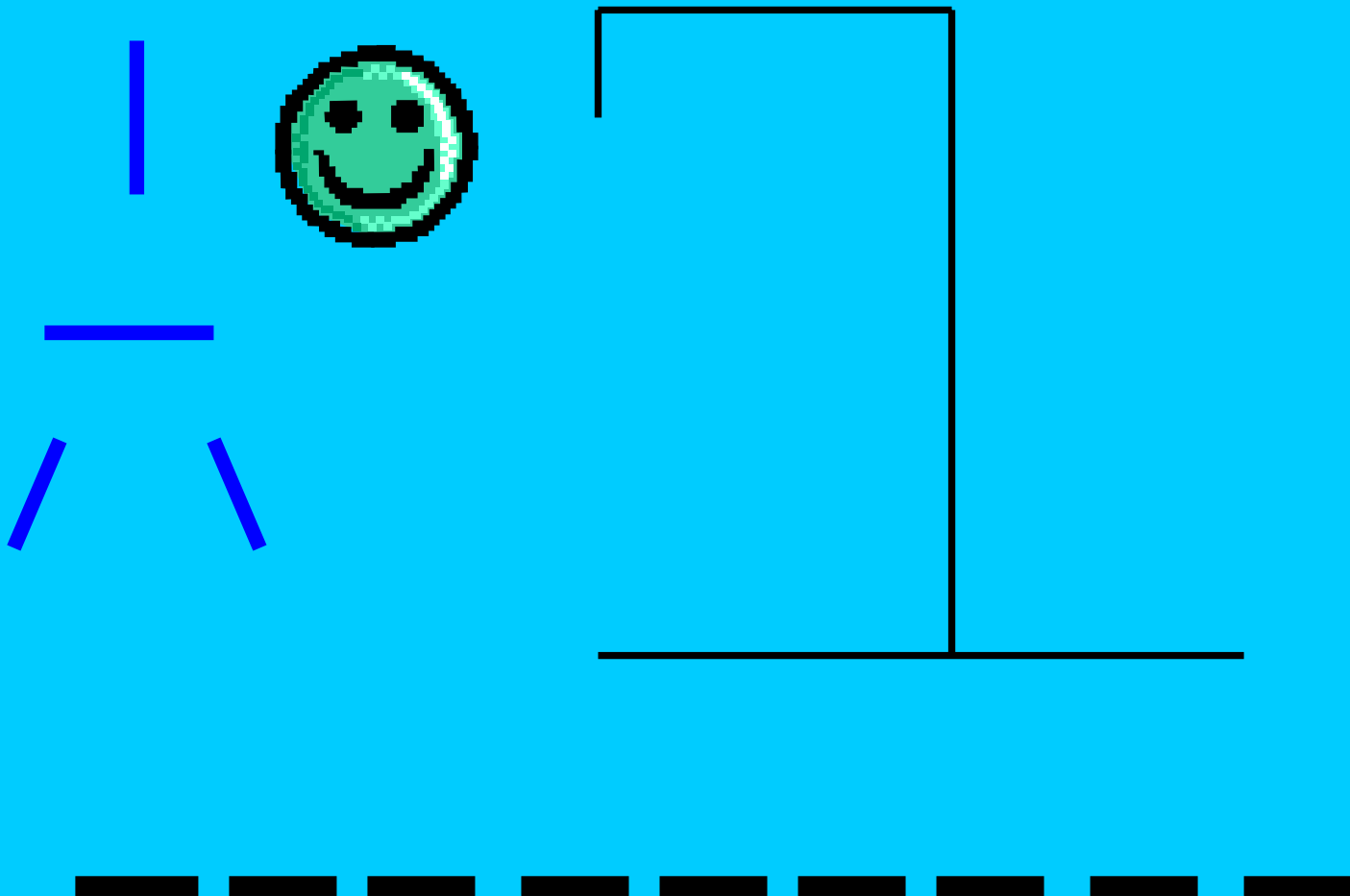


# Recommendations:

- Look at Classroom Set-up
- Review Best Practices
- Plan Lesson Scheduling
- Go Visit and Brag



# The Key Laptop Word:



1. Read existing lesson plans and analyze for technology infusion.
2. Could technology make this lesson more authentic?
3. Could technology make this lesson more engaging for the students?
4. Could technology make this lesson easier to teach?
5. Could technology make this lesson more multisensory, multimedial, or multidimensional?
6. Reject all technology possibilities that do not improve the element in one or more of these ways.
7. Select one or more technology possibilities to explore further.
8. Rewrite the lesson plan to incorporate new technologies.



# Let's S

*Please read and explain the following quote:  
All the world's a stage,  
And all the men and women merely players  
They have their exits and their entrances;*

— William Shakespeare, As You Like It,

## Lesson: **Metaphors**

- **Warm-up** → Pick up Lesson then... E~Journal Entry  
Warmup (displayed in yellow)
- **New Content** → Metaphor Definition, Visual Dictionary,
- **Application** → Apply quote to people in your life
- **New Content or Synthesis** → Sound clip example from Martin Luther King
- **Closure** → Schoolnotes Literary element flashcards



# Let's Sum It Up!!

## Lesson: *Astronomy*

- Warm-up → Solar Concentration
- New Content → Does Mars Have More or Less Moons that Earth?  
Define Orbit/Rotation, show rotation animation
- Application → Eight Planet Sudoku
- New Content or Synthesis → Research the moons on all planets, tabulate research in a table
- Closure → Print tables, Whole Class Rapid Fire Review



# Let's Sum It Up!!



## Lesson: Averages

- **WarmUp** → What is the average height of our Class?  
Are we shrinking or growing taller than previous Classes?
- **New Content** → Define height/average
- **Apply** → Online Form
- **More Content or Synthesis** → What factors  
contributes to health? Internet research
- **Closure** → Discuss class comparisons



# Let's Sum It Up!!



## Lesson: Catastrophic Weather Events

- **WarmUp** → EJournal Prompt: Would you rather be caught in a tornado or a hurricane?
- **New Content** → Tornado vs. Hurricane Char.
- **Apply** → PhotoStory Weather Broadcast
- **More Content or Synthesis** → Students give their broadcasts
- **Closure** → Whole class discussion: Has your original answer changed?



# Now It's Your Turn!



## Lesson:

- WarmUp →
- New Content →
- Apply →
- More Content or Synthesis →
- Closure →



# Recommendations:

- Look at Classroom Set-up
- Review Best Practices
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- Go Visit and Brag !!!



# Recommendation: Go Visit and Brag

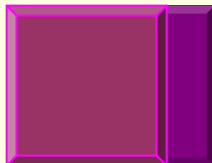
- Teachers are eager to impress. Go walk through the classroom while they are using laptops.
- Tell them what you are doing if you work on something. Kids pick up on it and fix problems because they want to use the technology. Ex: “hot” ports
- Give the 4H's: **Hellos/Hugs/High-Fives/Hollers**



# Laptop Lessons:

## Putting It All Together

- The most important times of a lesson are the **first part** and the **last part**. (This is called **Primacy-Recency Effect**)
  - Start with an emotional or real life application {story}
  - End with discussion or questioning or recap
- Middle-Instruction with emotional impact
- Teach the whole concept first so the brain has a place to file the new information and concepts
  - Then teach parts.



# Research-Based Effective Instruction



## ■ Active Engagement with Content

- *Learning occurs by doing → Create Products to Demonstrate What You Know*

## ■ Use Students' Prior Knowledge & Experience

- *We learn from past knowledge...make connections.*

## ■ Opportunities for Student Interaction

- *Social nature of learning*

## ■ Use of Visual Organizers

- *Bring in a pattern, develop & connection maker*

## ■ Feedback, Reflection, Self-Assessment to Measure Comprehension

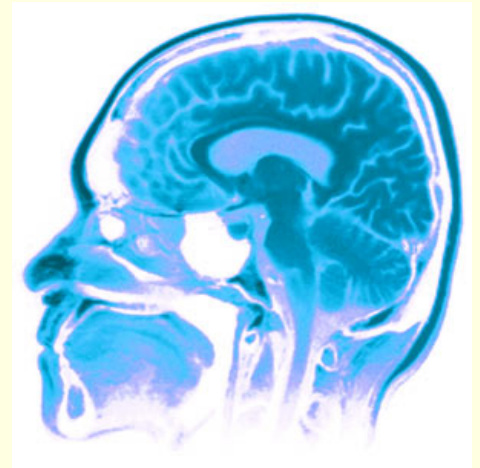
- *Awareness of what I know & understand, Future Goals*

Let's Sum It Up!

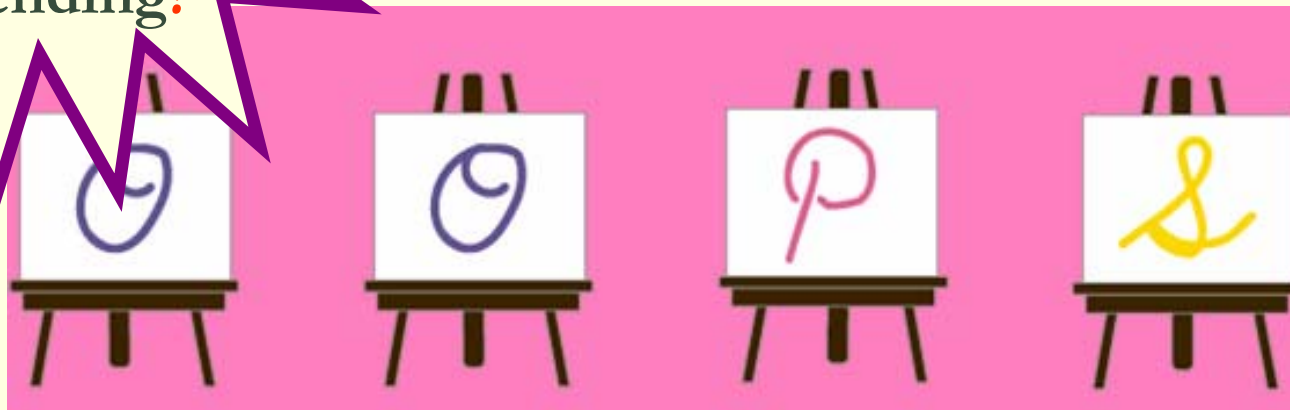


# Laptop Integration Goals:

- What are you going to implement in your classroom tomorrow?
- Next Week?
- Next Month?



Thank You  
For  
Attending!



*Is*

Our Overnight Planning System

Professional Staff Development

Helen Teague

Mary White

<http://4oops.com>

