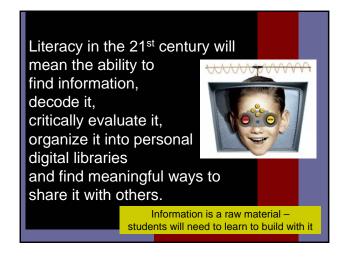




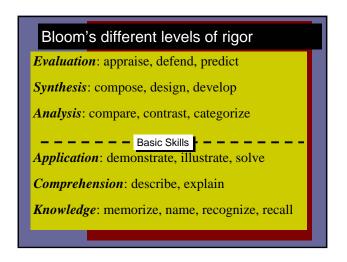


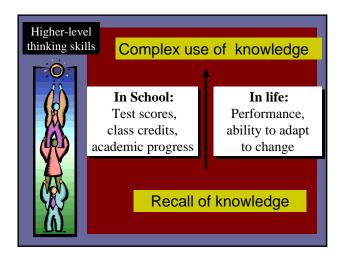
Schools should recognize the realities of the information rich world our students live in

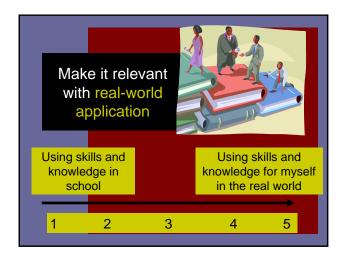
Offer students skills and context to make some sense of all of it
Structure learning environments that let students use information to make decisions and solve problems
Offer equity for student who can't afford new media tools.

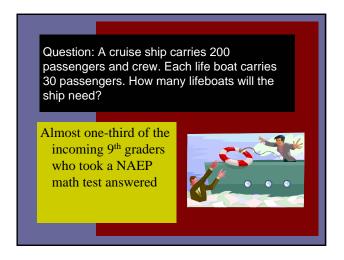


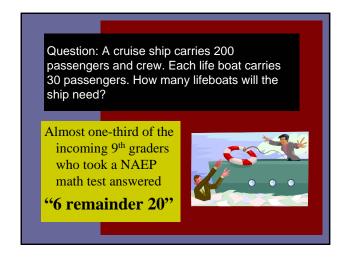


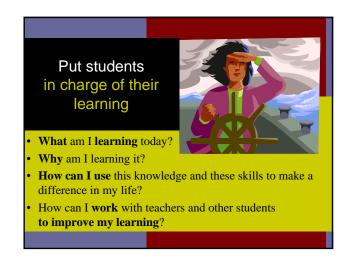


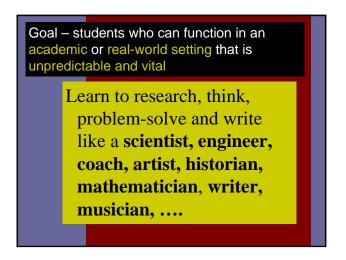


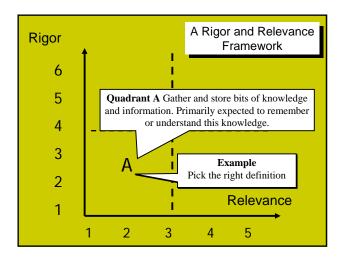


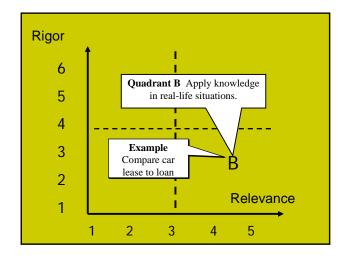


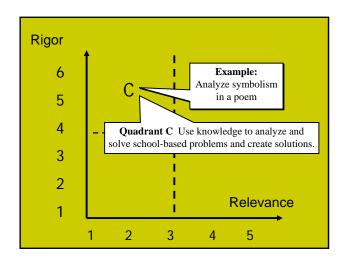


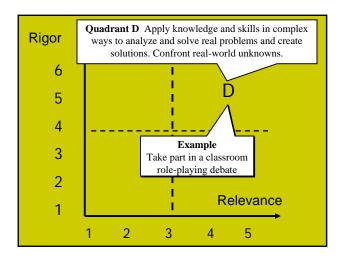


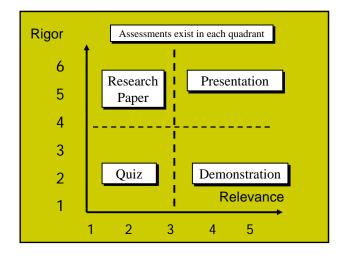


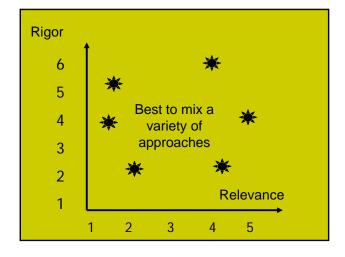




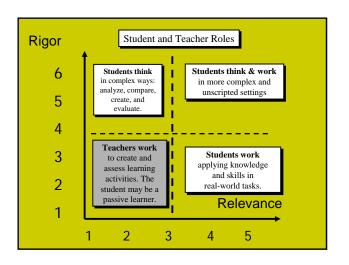


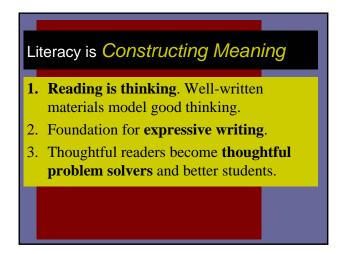


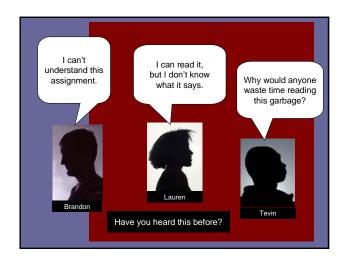


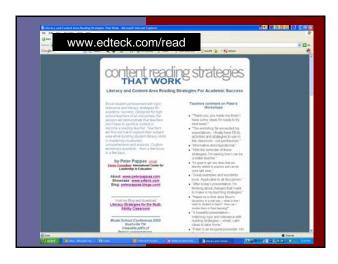


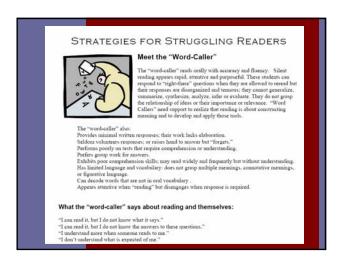
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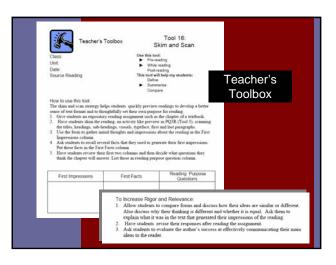


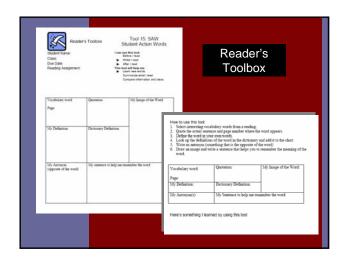


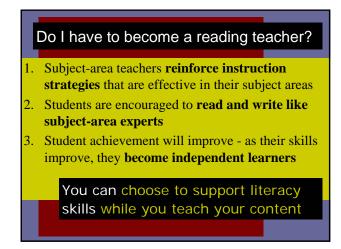












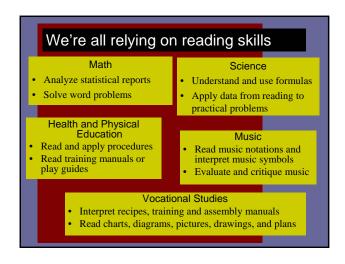
The single highest failure rate in high school is Algebra I

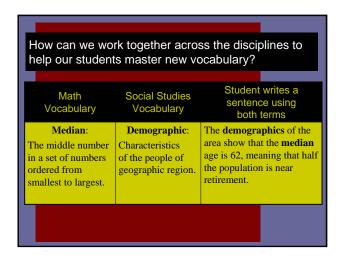
"After pregnancy, it's the leading indicator of high school dropout.

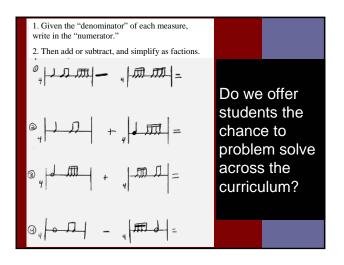
The leading indicator of success in Algebra I is English 8.

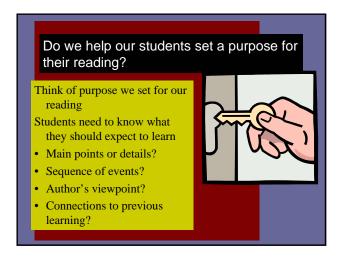
The Algebra 1 test is a reading test with numbers"

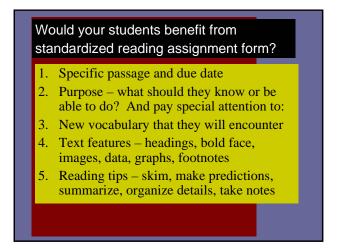
~ Doug Reeves, District Administrator April '05

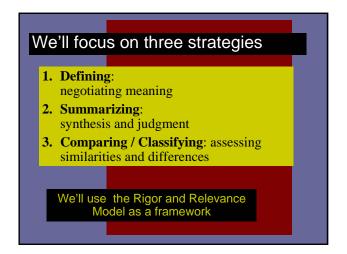




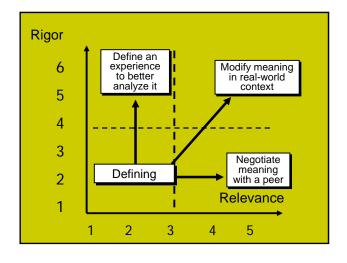




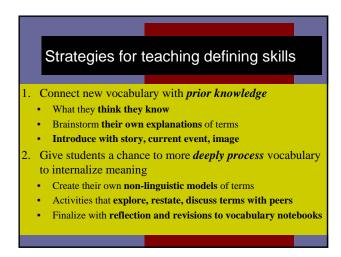


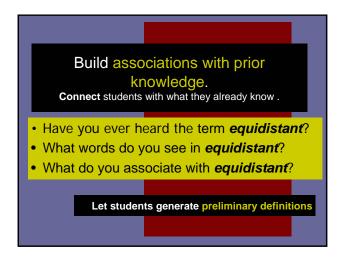








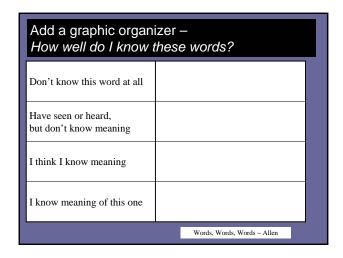




Pre - reading: Let students work together to compare preliminary definitions.
(Visual, auditory and text-based definitions)

• Students develop their own definition
• Compare to peer definition
• Similarities
• Differences

Use a visual organizer to map out and preview text



List, Group, Label Example "Revolution"

1. List all the words they can think of related to the subject
2. Group the words that you have listed by looking for word that have something in common
3. Once grouped, decide on label for each group

Use a variety of skills - prior knowledge, identifying, listing
Use words in multiple contexts allow to be creative.

Group work exposes students to thinking of others

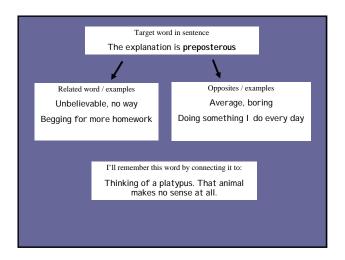
Students internalize new vocabulary when they explore the words –

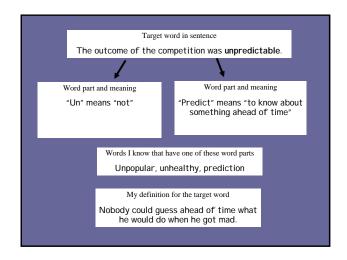
• Think about terms, examine and reexamine in new ways.

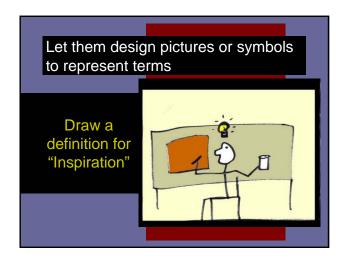
• Apply their understanding - opposites and analogies.

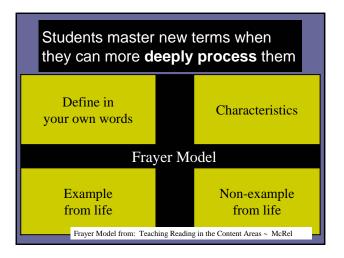
• Create multiple formats for which students can elaborate on the meaning of new terms.

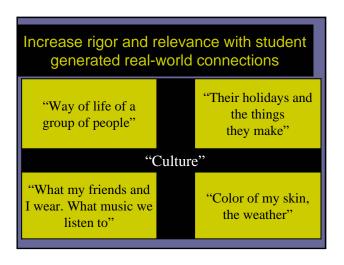
Increase rigor and relevance with non-linguistic definitions – Charades, role play, tableau

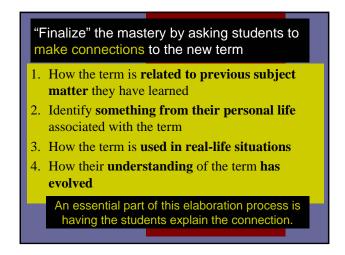




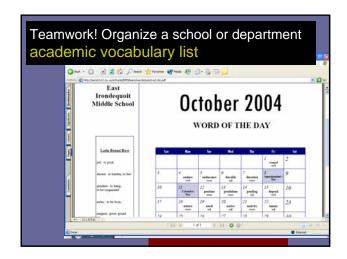


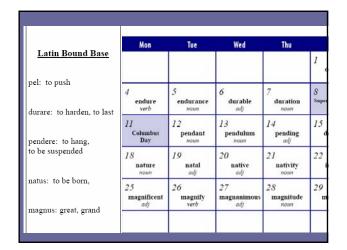


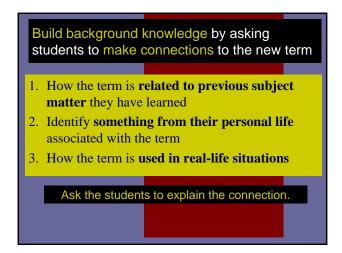












Teachers must monitor accuracy of student work

1. Use introductory activities as a chance to "pre-test" their understanding

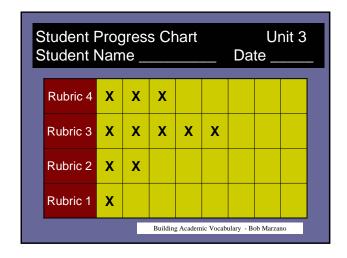
2. Circulate to check work and vocabulary notebooks during group time

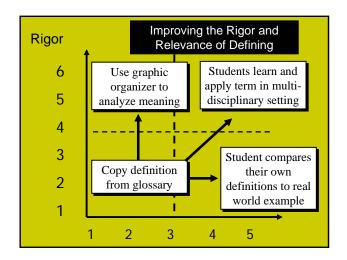
3. During review activities listen for misconceptions and areas of confusion. Clear them up!

4. Consider having students keep records of their own progress

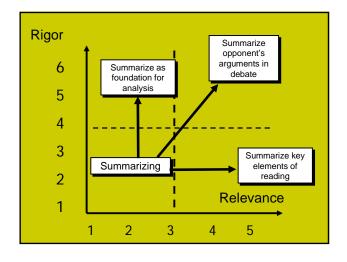


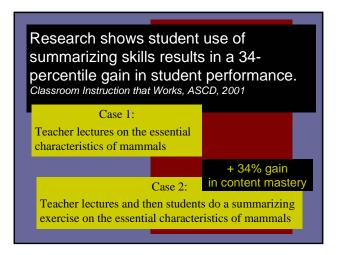
Vocabulary Self-Evaluation			
	Rubric Level	Description	
	4	I understand even more about the term than what I was taught.	
	3	I understand the term and I'm not confused about any part of what it means.	
	2	I'm a little uncertain about what the term means, but I have a general idea.	
	1	I really don't understand what the term means.	
	Building Academic Vocabulary - Bob Marzano		



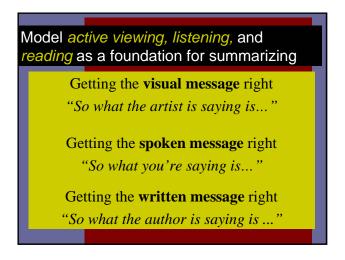






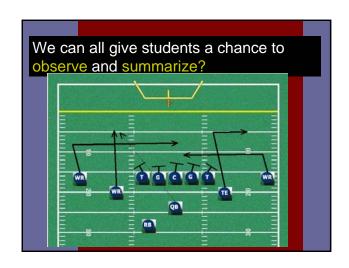


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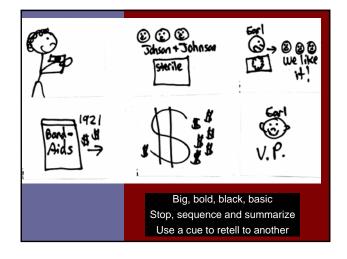


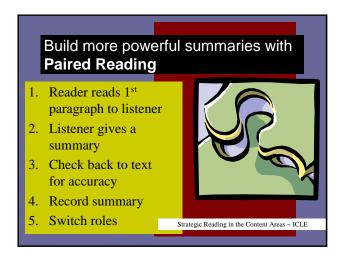
Visual, listening, and reading skills Identify details – can you identify key symbols, words, visual elements? Recognizing context – where is this taking place, time period, who's involved? Identify relationships – who are these people, what is their relationship to one another?

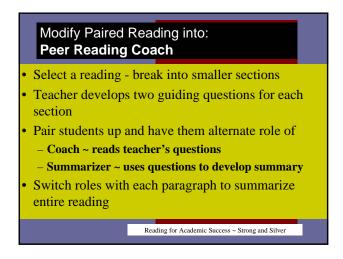
Visual, listening, and reading skills Identify opinions – is there a point of view expressed in the source information? Infer meaning – is there meaning that can be extracted from what's between the lines? Make predictions – based on the information, what will happen next?











Increase relevance — have student groups negotiate a collaborative summary

• Reading pairs develop summary

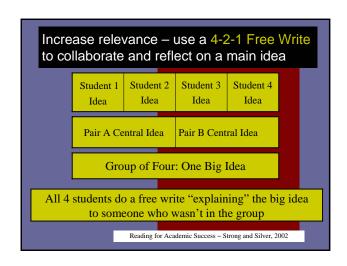
• Meet with additional groups to negotiate a collaborative summary

— My key ideas

— My partner's key ideas

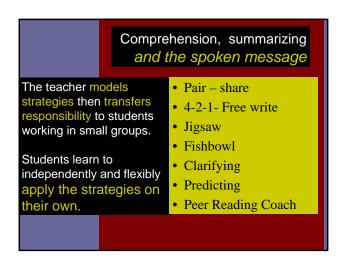
— Our joint key ideas

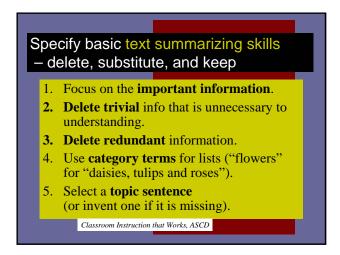
— Key ideas we agree on with another group

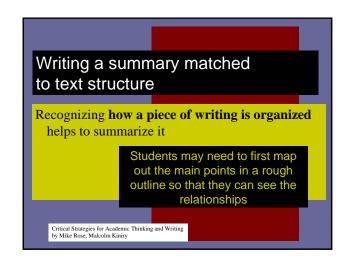


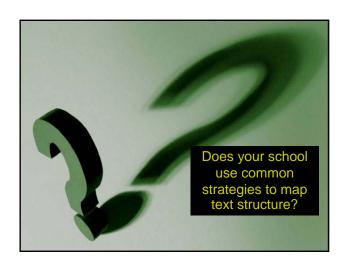
Open-ended questions to deepen understanding
... "What's going on here?
What do you see that makes you think so?"

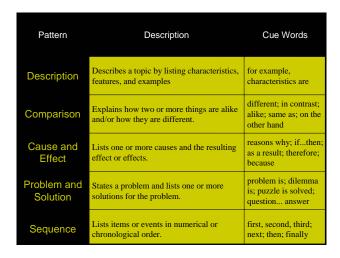
• What do you think the story will be about?
• What might you do in a similar situation?
• What does this remind you of in your own life?
• How might this be different if it happened in another time period?
• If you were telling this story, how might you end it?
• What do you think would happen if...?

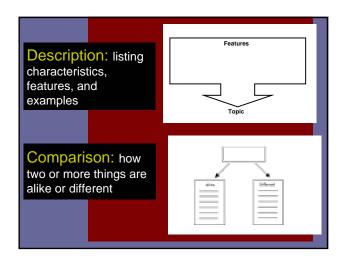


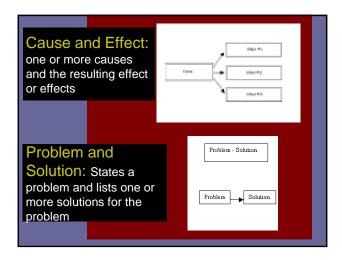


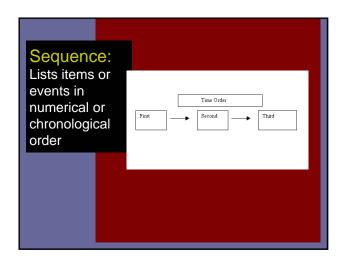


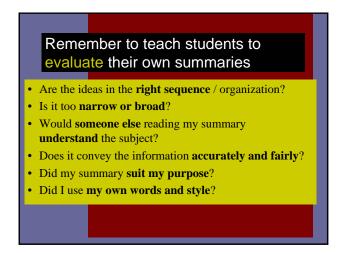


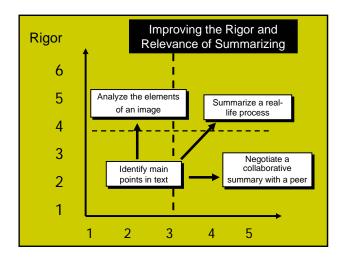




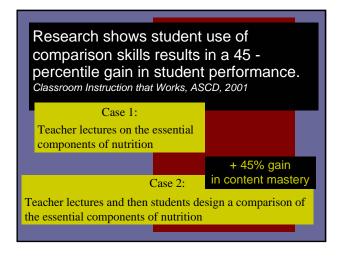


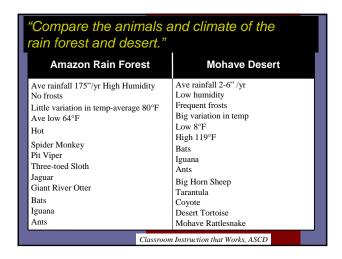


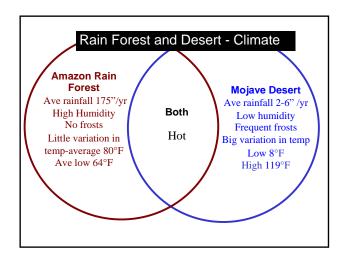


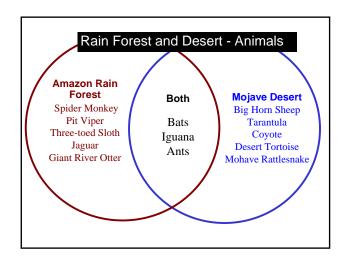


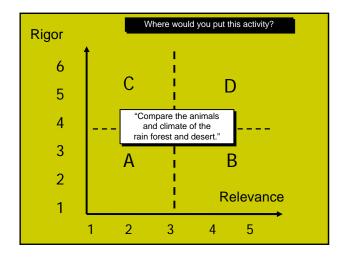


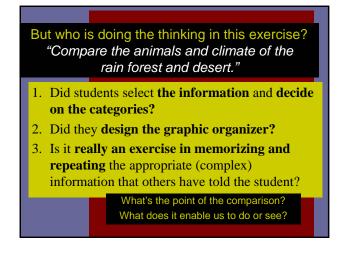


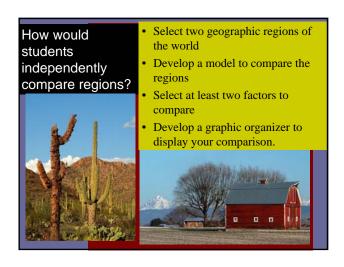


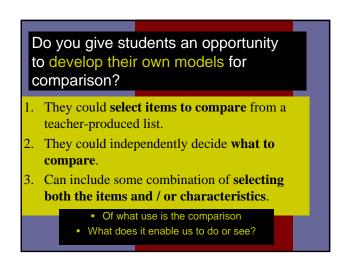






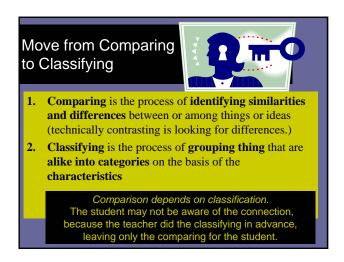


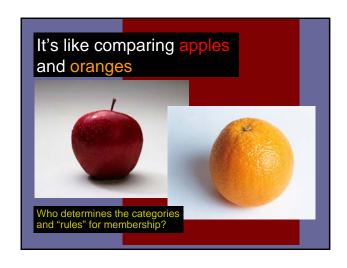












Can your students move from comparing to designing classifications systems?

• We typically ask students to take someone else's classification system and apply it.

• We rarely ask students to generate a classification system of their own.

• Creating categories gives them a chance to assert their intellectual independence.

• Of what use is the classification system?

• What does it enable us to do or see?

Rigor and relevance in practice:
Student-designed classifying exercise

1. What do I want to classify?

2. What things are alike that I can put into a group?

3. Does everything fit into a group now?

4. Would it be better to split up any of the groups or put any groups together?



