Keys to Learning: Adding Layers of Rigor

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OCC GATE

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Common Core Standards

Require

- Rigor
- Relevance
- Readiness



A set of words we use as tools to help bring clarity and specificity to concepts & content Discover Reveal Uncover Unlock Disclose

Catalysts for Inquiry Push toward a deeper understanding by focusing and refining questioning Layers of sophistication Fact-Based Analytical/Evaluative

Keys to Questioning... Keys to Learning... Handout Kinds • Influence Types • Rationale Traits • Reasons Characteristics • Possibilities Conditions • Significance Importance Consequences Relevance • Function • Purpose Value • Evidence Motivation

Keys & Common Core

- Build familiarity with terms
- Must become part of classroom vernacular for teacher and students
- Increase rigor by layering additional thinking tools

Keys- Good for All

- Not just the gifted
- Not just older students



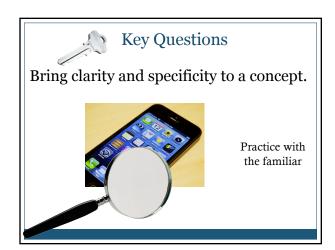
How Are Keys Used?

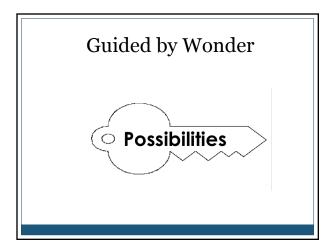
- Teachers & students across disciplines
- Generate questions
- Prompt thinking
- Small/Whole group investigation
- Small/Whole group discussion
- Independent study/Research

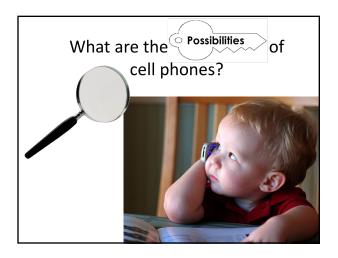
INTRODUCING KEYS Possibilities

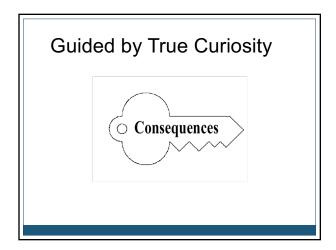
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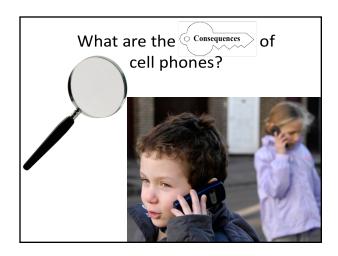












USE ACROSS DISCIPLINES



LITERATURE & CHARACTER ANALYSIS

Start with the End in Mind

- 1. Get to know the standards
- 2. Identify embedded keys



Reading- Literature 3.3

• Describe characters in a story (traits, motivations, feelings) and explain how their actions contribute to the sequence of events.





- Define key words
- Model with familiar story



Key Statements

- Goldilocks influenced the story by her disregard for others
- Goldilocks is motivated to enter the bears' house by/because by her curiosity.
- _____'s rationale for ______ was ____
- _____is significant in the story because_

Your Turn!



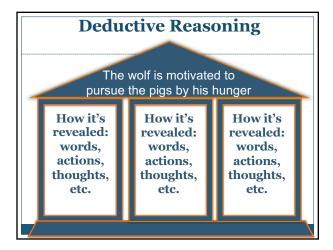
Generate key statements about, The Three Little Pigs

- _____influenced the story by _____.
- _____ is *motivated* to ______ by/because _____.
- _____'s <u>rationale</u> for _____ was ____
- is <u>significant</u> in the story because__

Prove with Evidence



- Students use story details ** to support statements
- Text- dependent
- o Include actions, words, and thoughts
- o Explain what details mean, reveal, suggest, etc
- Focus on main character or other characters

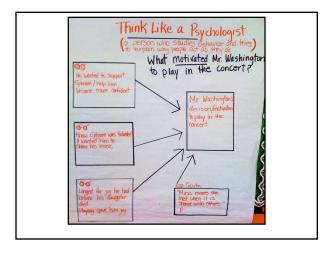


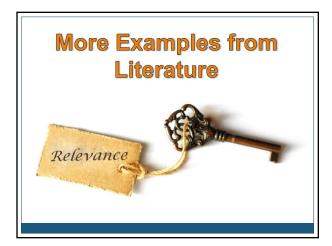
Reading-Literature 3.3

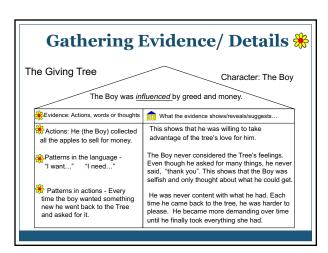
- Describe characters in a story (traits, motivations, feelings) and explain how their actions contribute to the sequence of events.
- Pick a key on which to focus



Story Characters, just like people in real life, are motivated by a Variety of factors. These include: Greed/money Pride Revenge/Anger Freedom Fame Hope Shame Love/desire

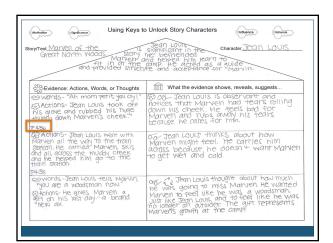


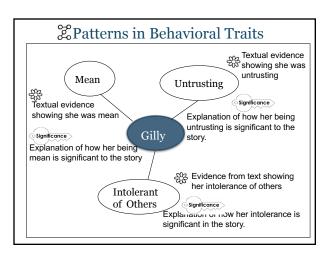




Prove with Evidence

- •Class Generated Example: Marven of the Great North Woods
 - *Jean Louis is significant in the story because he befriends Marvin and helps him adapt to life in the logging camp.
 - *Students used details about Jean Louis' actions, words and thoughts to prove his significance.





"Significance" Beyond Story Characters				
• The Giving Tree				
" $Me + T$ " on stump at end of	of story-			
"This is significant because it shows the love that he shared with his girlfriend would go away, but the tree's love would stay forever."				
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CON	INE	CTI	ONS	USI	NG	KEY	18

- I'm unsure about the <u>reasons</u> behind...
- I wonder what the *consequences* would have been if...
- I'm interested in the <u>function/role</u> _____ plays in...
- I'm curious about _____'s <u>rationale</u> for ...
- I found it interesting that _____ was <u>motivated</u> to ...
- I was surprised by the <u>influence</u> had on...

SOCIAL STUDIES

Start with the End in Mind

- 1. Preview content /standard
- 2. Select key(s)



- 3. Create questions/prompts
- 4. Consider layering thinking tools and/or cognitive maps

5th Grade Social Studies

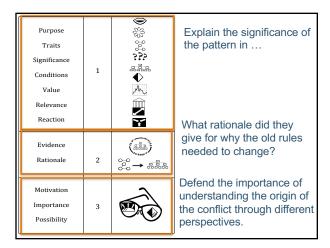
Students trace the colonization, immigration and settlement patterns of the American people from 1789 to the mid 1800's, with emphasis on the role of economic incentive, effects of the physical and political geography, and transportation systems.



Key Questions Social Studies

- What was the <u>motivation</u> for people to immigrate to America?
- How did economics <u>influence</u> immigration and settlement in Colonial America?





Start With a Key Question

• How did economics <u>influence</u> immigration and settlement in Colonial America?

Layer With Thinking Tools				
• How did economics <u>influence</u> immigration and settlement in Colonial America?				
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Layer With Thinking Tools

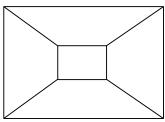
• How did economics <u>influence</u> immigration and settlement in Colonial America?

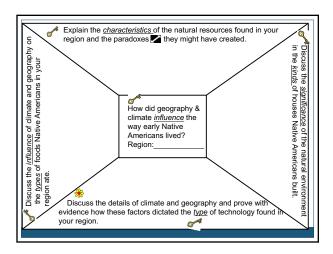


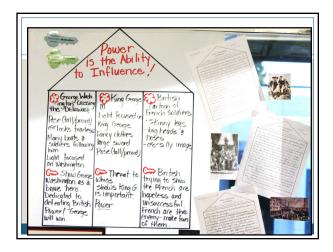
• How did economics <u>influence</u> patterns of immigration and settlement in Colonial America?

Keys & Frames

5th Grade Social Studies Standard: Describe how geography and climate influenced the way various nations lived and adjusted to the natural environment, including locations of villages, the distinct structures that they built, and how they obtained food, clothing, tools, and utensils.







How do keys help facilitate thinking like a Disciplinarian?

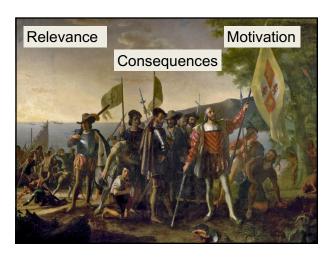
Same academic terms used by experts in the field

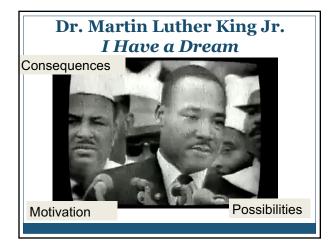
Keys to Questioning... Keys to Learning...

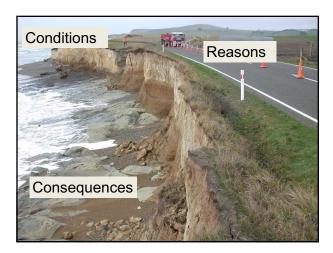
- Kinds
- Types
- Traits
- Characteristics
- Conditions
- Consequences
- Function
- Purpose
- Evidence
- Motivation

- Influence
 - Rationale
 - Reasons
 - Possibilities
 - Significance
 - Importance
 - Relevance
 - Value









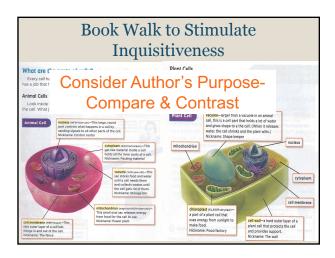
Vincent Van Gogh: Starry Night ✓ Evaluate the types of *detail (color, patterns, etc) used in Starry Night. Consider the reasons the artist might have had in creating these details.

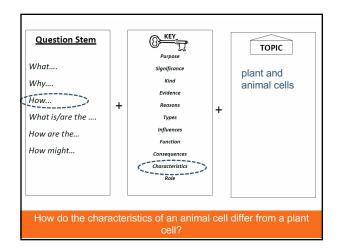


Student Generated Questions/Prompts

- Teacher can suggest and define key(s)
- Book-walk/image- hook/standard
- Student groups generate key questions to share out
 - **▼**Teacher acts as scribe (filter)
- Groups select question(s) to answer & present findings

The quality of being important The power to cause an effect, sway, persuade Distinguishing feature or quality







Key Question with Thinking Tool

What are some ethical issues & surrounding the consequences of running out of water?

How might you use keys to in your classroom?

Unanswered Questions

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