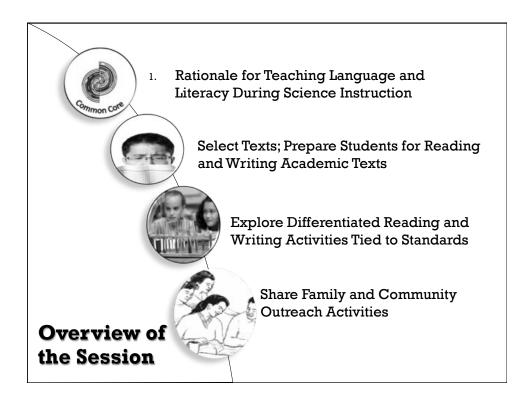
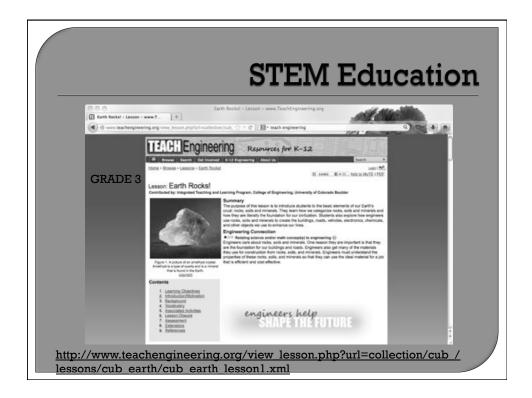
## Promoting Oral Academic Language While Teaching Science

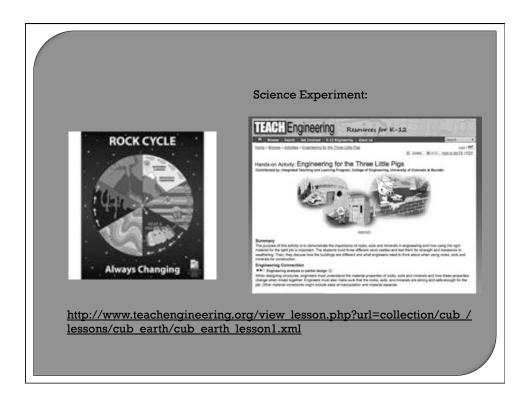
Nancy Cloud M.Ed. In TESL Program Rhode Island College ncloud@ric.edu

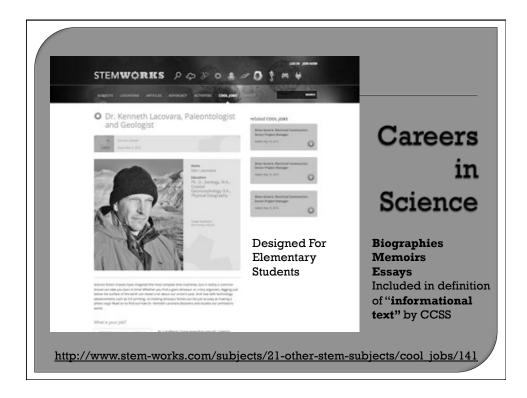


# Rationale for Teaching Language and Literacy During Science Instruction

Rock Unit Earth Science Third Grade Unit









### The Importance of Oral Language

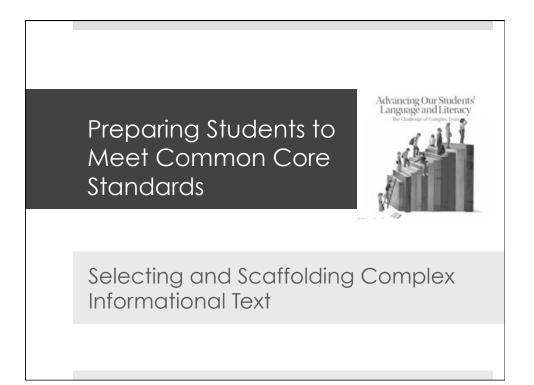
Speaking and listening are facets of oral language. For decades, researchers have demonstrated that:

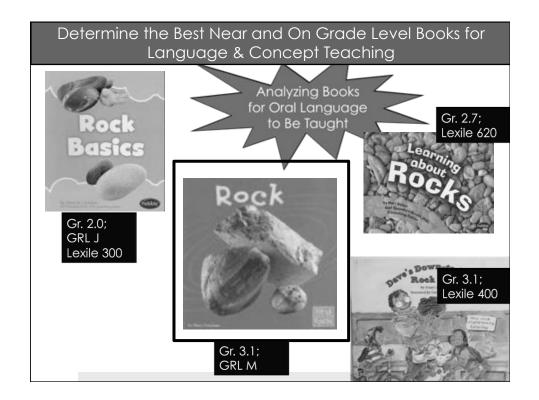
■ there is a strong relationship between oral language and reading, writing, and thinking (Loban, 1963, Menyuk, 1984)

□oral language is the base on which the other language arts develop (Sticht & James, 1984)

■ for this reason, it is very important to continuously support students in developing oral language throughout all grades (Pinnell & Jaggar, 1991)

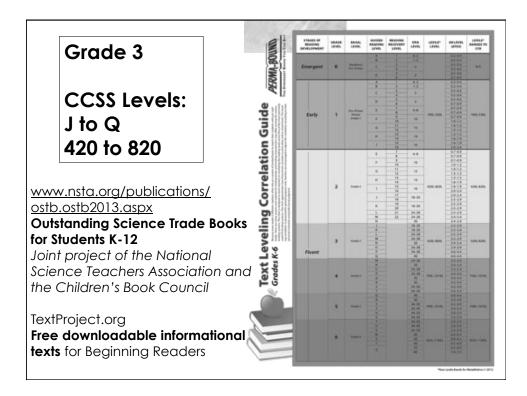
□ children develop oral language by using it (Halliday, 1975).





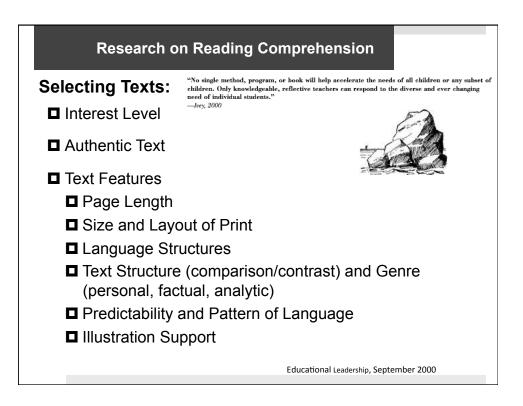
### Why text sets?

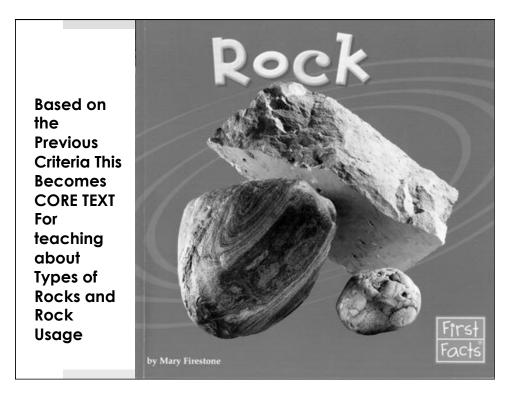
- CCSS explicitly call for reading sets of related texts
- Within a grade level, there should be an adequate number of titles on a single topic that would allow children to study that topic for a sustained period (NGA + CCSSo, 2010)
- Standard 9 asks children to identify similarities in and differences between two texts on the same topic
- This includes informational text on children's websites like National Geographic's Young Explorer! (Cengage); recorded books and so forth Leadership November, 2013)

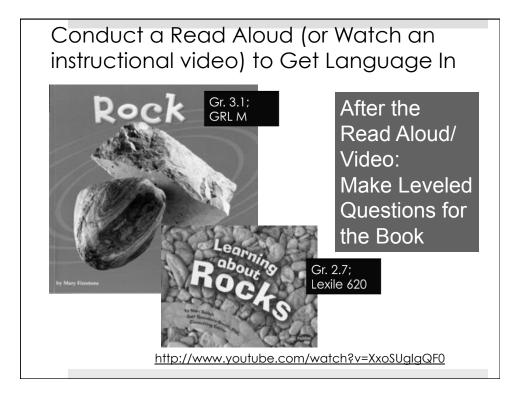


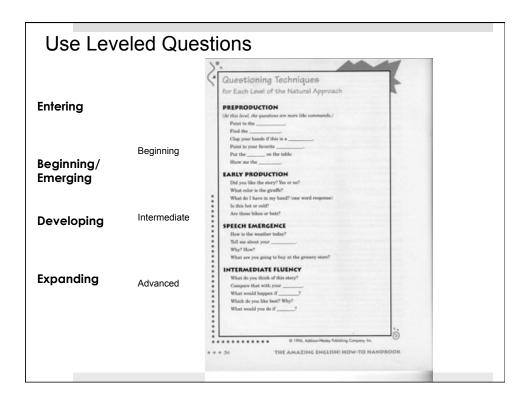
### **Use Text Sets**

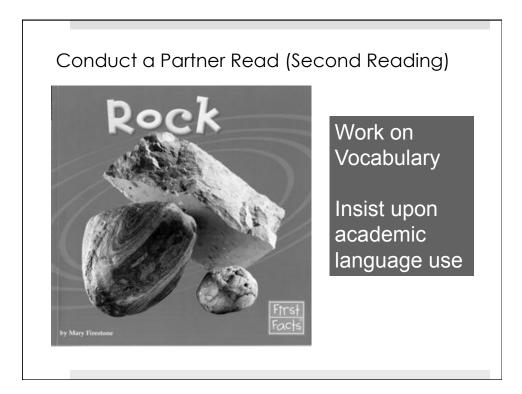
- Provide Students with opportunities to learn the same high-frequency vocabulary across a number of books, words that they can use in their own early writing.
- Permit Students to develop schema associate with a particular theme and build networks of related concepts to talk and write about.
- Help students build confidence and fluency in speaking and listening comprehension; they have encountered these words and phrases before!
- □ Give them a chance to hear words with the same sounds so they can create stable associations between sounds and symbols
- Develop comprehension strategies (using pictures and text features, predicting) so they can tackle new books

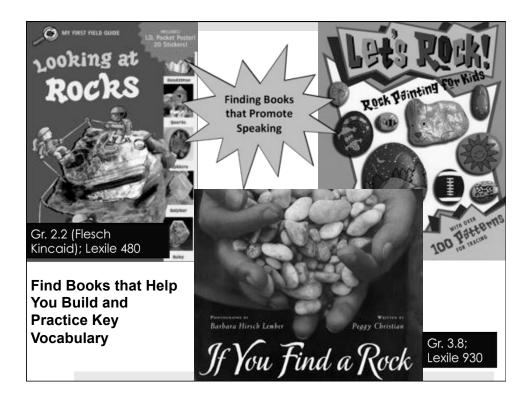


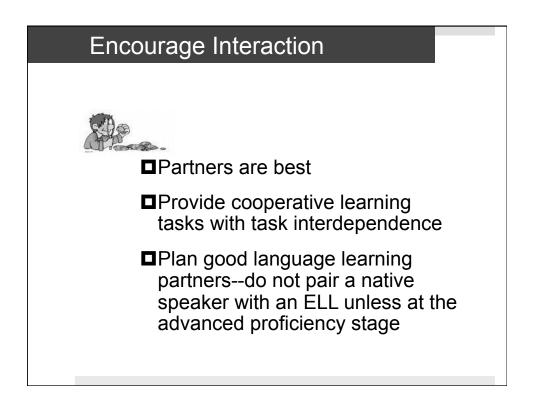


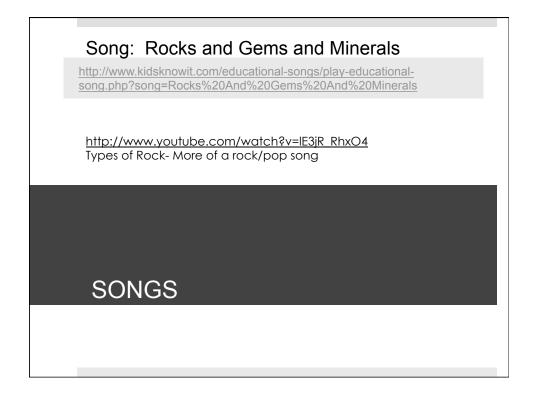


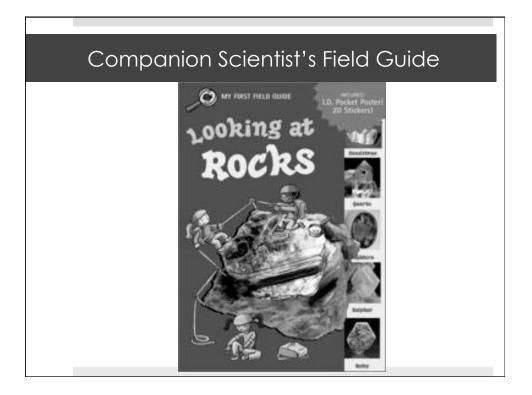


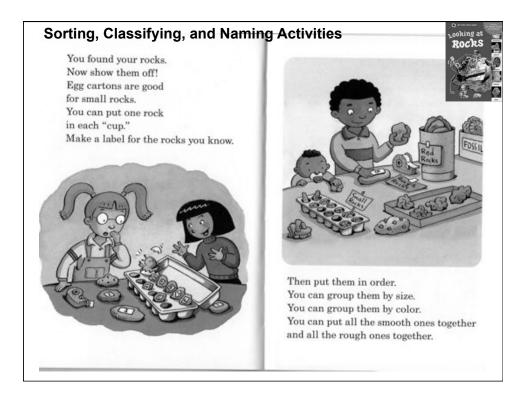


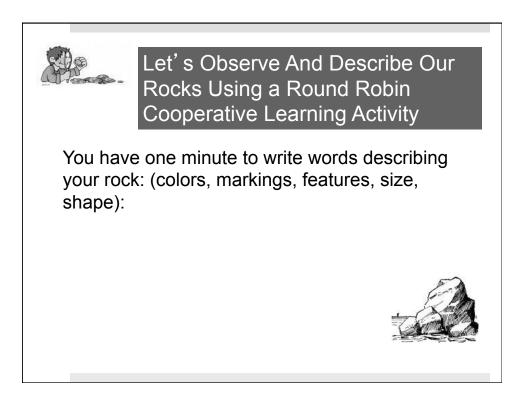




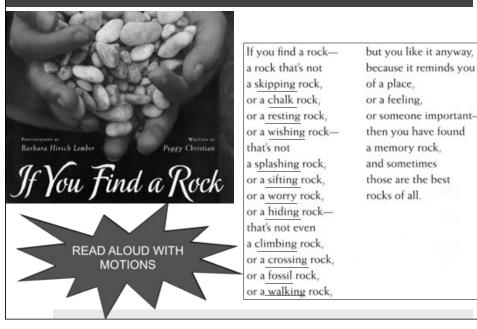


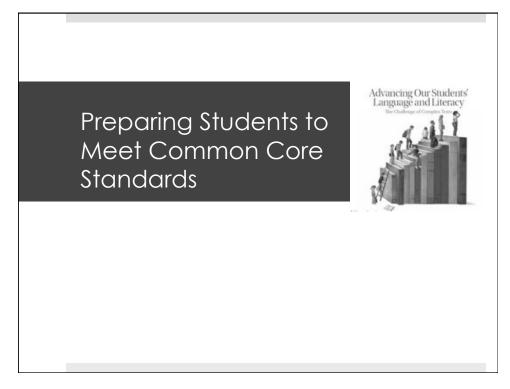


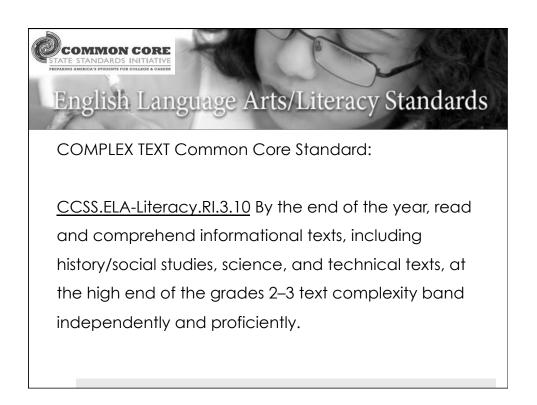




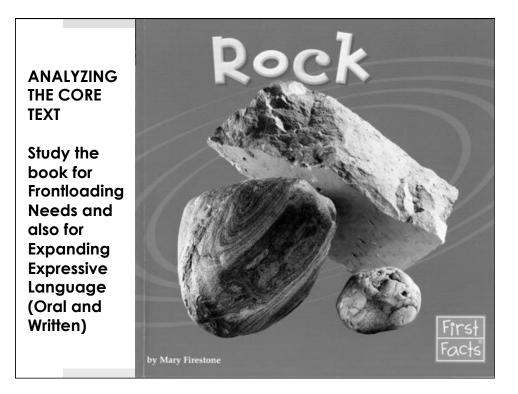
### Performance Poem: Create Actions





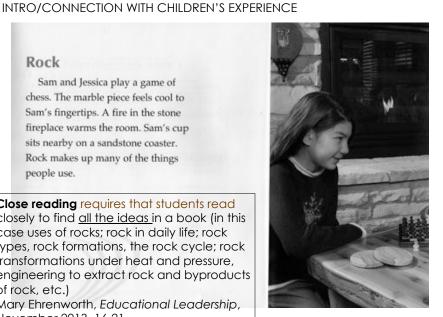


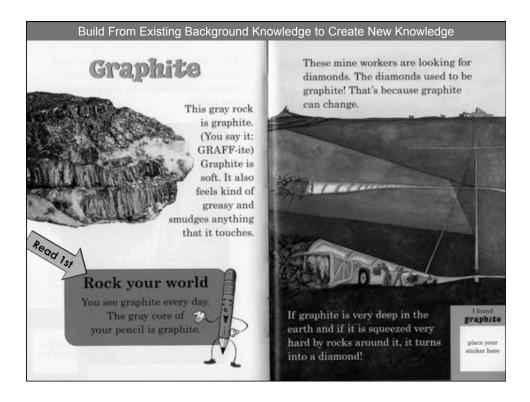


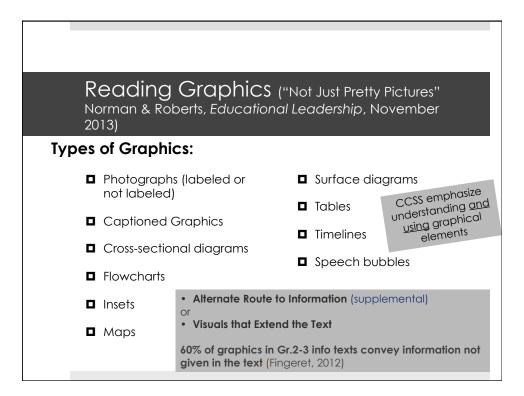


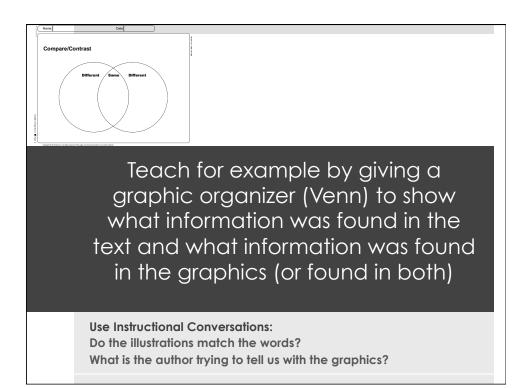
#### Rock Sam and Jessica play a game of chess. The marble piece feels cool to Sam's fingertips. A fire in the stone fireplace warms the room. Sam's cup sits nearby on a sandstone coaster. Rock makes up many of the things people use.

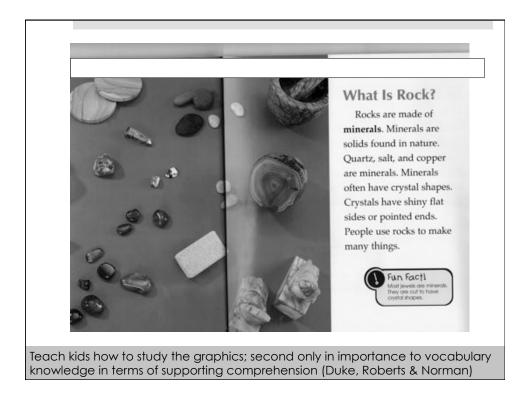
Close reading requires that students read closely to find all the ideas in a book (in this case uses of rocks; rock in daily life; rock types, rock formations, the rock cycle; rock transformations under heat and pressure, engineering to extract rock and byproducts of rock, etc.) Mary Ehrenworth, Educational Leadership, November 2013, 16-21

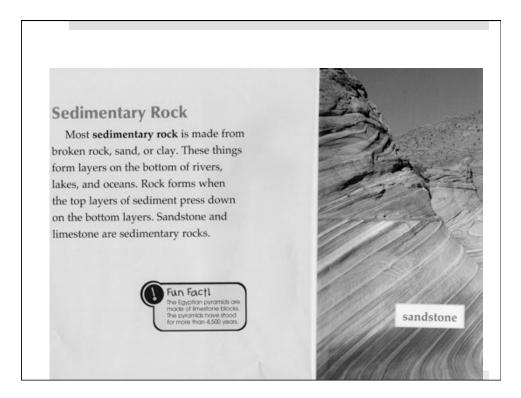


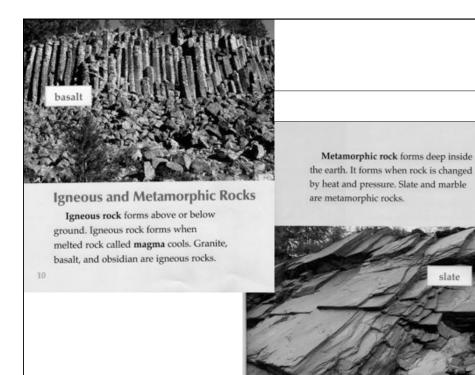


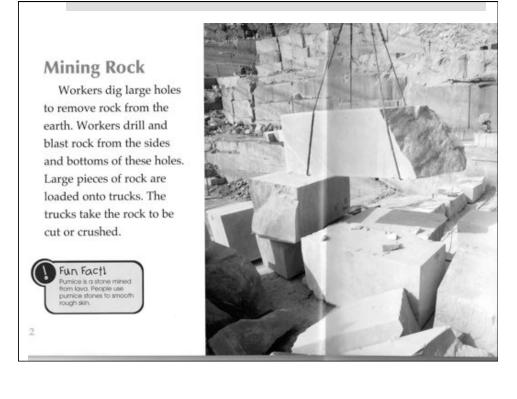


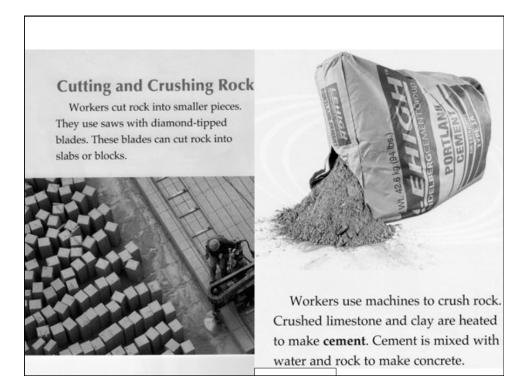


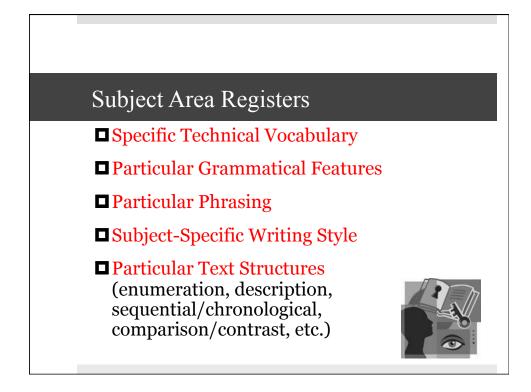




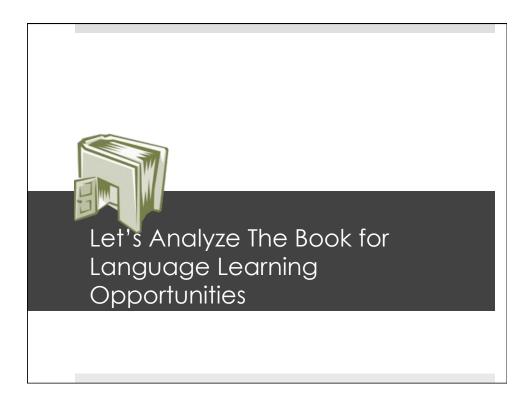












## Text Features

**D**Noun Phrases

**D**Adjectival Phrases

Sentence Patterns

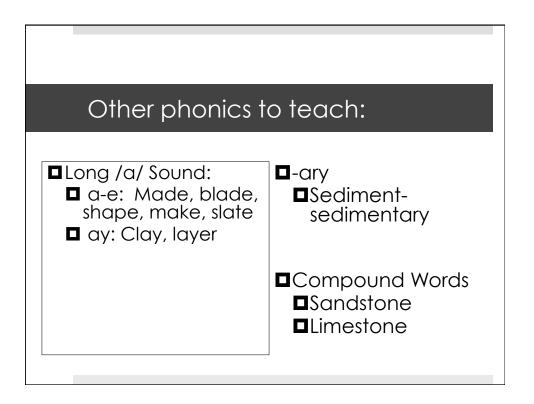
**Linking Words/Cohesive Devices** 

□Text Structures

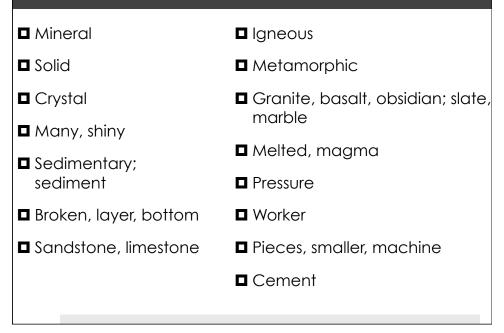
ANALYZE THE BOOK TO SEE THE:
BACKGROUND KNOWLEDGE THAT IS NEEDED TO UNDERSTAND THE BOOK DECODING/ENCODING SKILLS WE CAN TEACH WHILE TEACHING THE TOPIC USING THIS BOOK
READING/WRITING STRATEGIES WE CAN TEACH WHILE TEACHING THIS BOOK OPPORTUNITIES TO TEACH COLLOQUIAL LANGUAGE

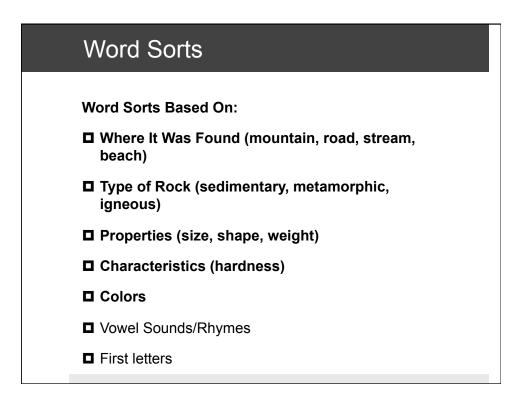
TESL/READ 507 Book Analysis Project		
Name of Book:	Grade/Age Level:	
Proficiency Level	Pages Analyzed:	
For shaded boxes, scan entire book	Book:	
Background Knowledge Required by this	Book:	
Best Decoding Encoding Skills to Teach:		
Sight Words in this Book:		
Best Reading Writing Strategies to Teach	with This Book:	

Rock – springboard to	phonics
/a/ sound in English spelled with /o/ (rock, block, clock, sock)	Clock
Early onset and rhyme in English/rhyming words	
/k/ sound in English can be spelled with the digraph /ck/ (rock, clock, block, lock)	
roca compared to "rock"— very distinct use of letters	ock
COMMON CORE (FOUNDATIONAL READING SKILLS)	lock flock rock knock sock shock block smock clock stock
	8

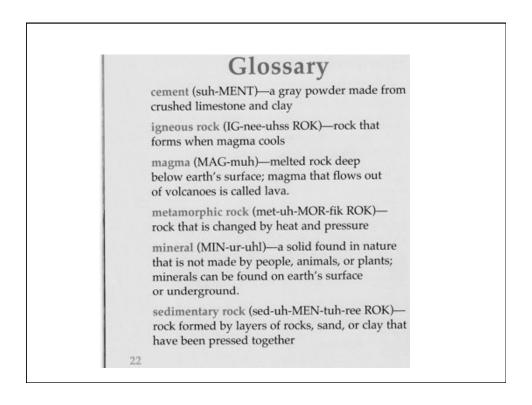


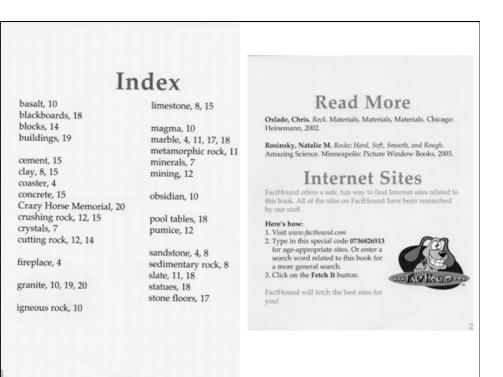
### Multisyllable words



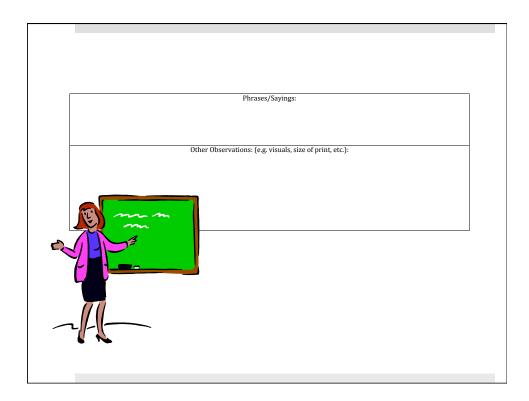


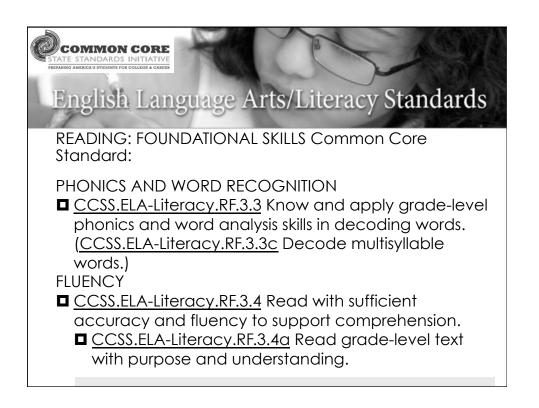
lls a	nd Strategies
	Table of Contents
	Rock 4
	What Is Rock? 7
	Sedimentary Rock
	Igneous and Metamorphic Rocks 10
	Mining Rock 12
	Cutting and Crushing Rock 14
	Stone Floors
	Many Uses for Rock 18
	Amazing but True!
	Hands On: Make Sandstone
	Glossary
	Read More 23
	Internet Sites 23
	Index

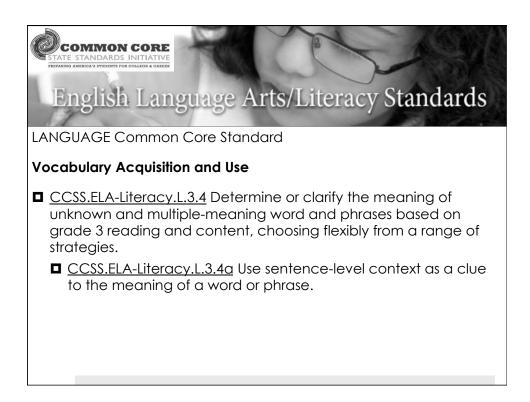


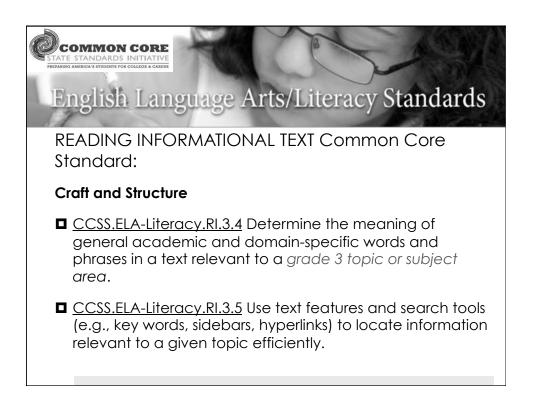


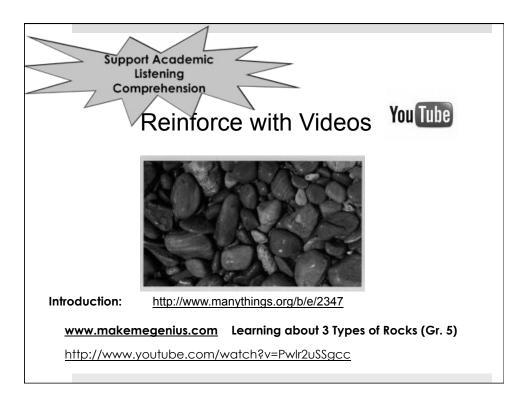
	Oral La	nguage	
People, Places, Things (Improper/Proper Nouns) Stone	Actions (Include Phrasal Verbs Here)	Descriptive Language (Adjectives/Adverbs)	Other (Conjunctions/Preposition
Marble	ls/are	Sedimentary	
Sandstone	Have	Igneous	
Limestone	Use	Metamorphic	
Rock	Make/		
Solid	made		
Minerals	Form	Shiny	
Quartz	Change	Flat	
Salt	Take	Pointed	
Copper	Dig	Broken	
Crystals	Drill	Melted	
Sand	Blast	Large	
Clay	Load	Smaller	
Granite	Cut	Diamond-	
Basalt	Crush	tipped	
Obsidian			
Slate			



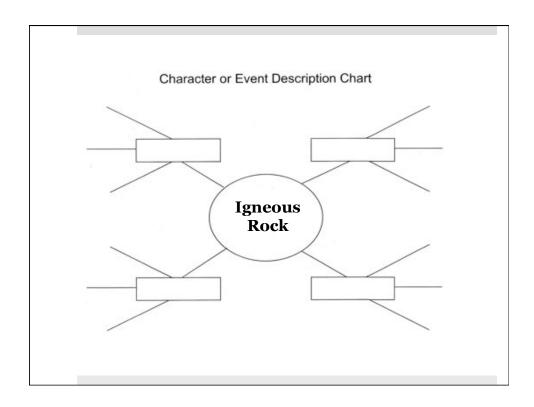


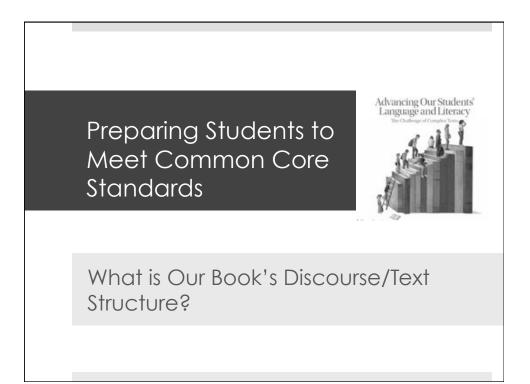


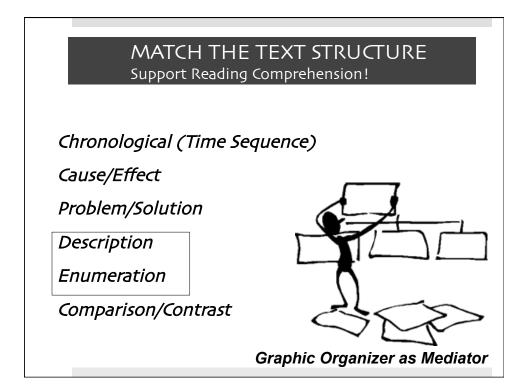


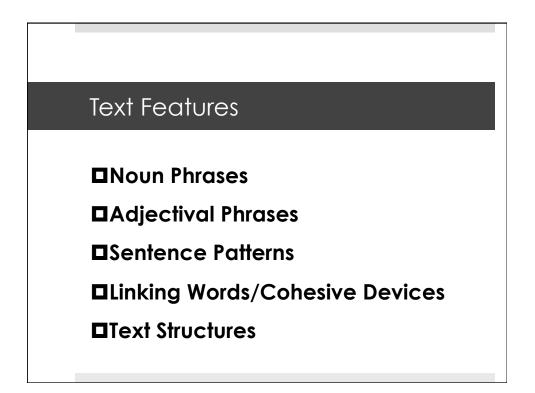


Ensure Ac	Ensure Active Listening!						
	Features	Fits in your hand	Found in the Mountains	Easy to Collect	Large In Size	Easy to Move	
	rock	+/-					
	pebble	+					
	sand	+					
	boulder	-					
		Fea	atures An	alysis			











**D** Repetition of key words across sentences:

Rocks are made of minerals. Minerals are solids found in nature....

Most sedimentary rock is made from broken rock, sand, or clay. .....Rock forms when the top layers of sediment press down on the bottom layers. Sandstone and limestone are sedimentary rocks.

(Rock is used everywhere repeatedly)

#### Use of Pronouns

□ These things.... (demonstrative pronouns)

□ It..... (subject pronoun)

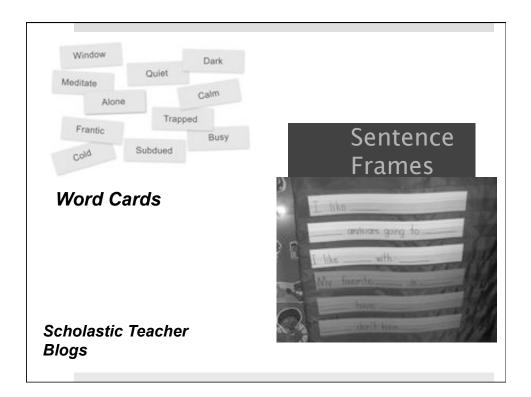


- Definitions: with is/are, have, use
  - Rocks are made of minerals
  - □ Minerals are solids found in nature.
  - Granite, basalt and obsidian are igneous rocks.
  - Crystals have shiny flat sides or pointed ends
  - People use stone floors in many buildings

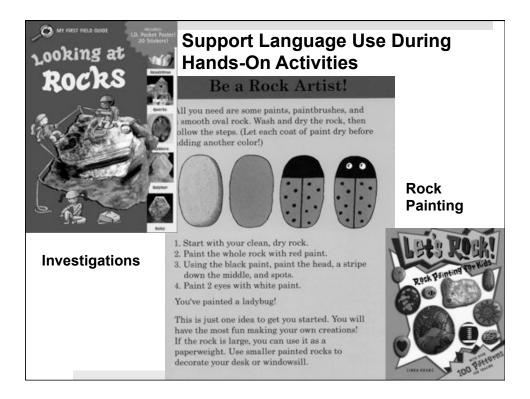
Third person singular (S-V agreement)

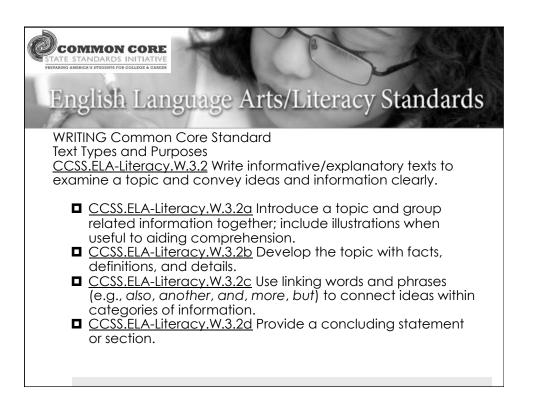
#### ■ Passive voice:

- Most sedimentary rock is made from...
- **D** Rocks are made of minerals.
- Rock forms when...
- Rock is also used for buildings.

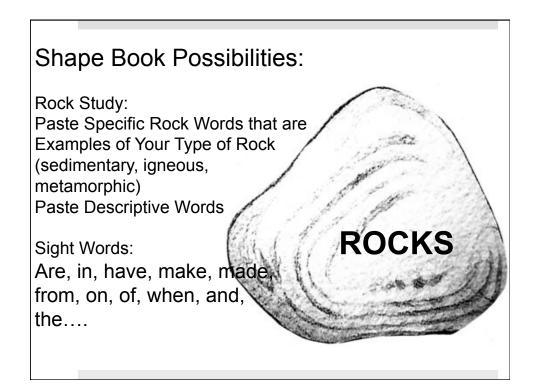




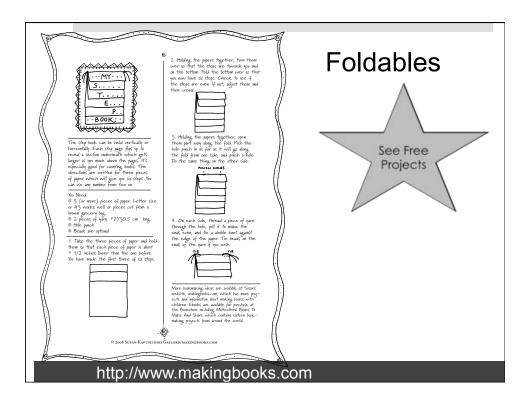


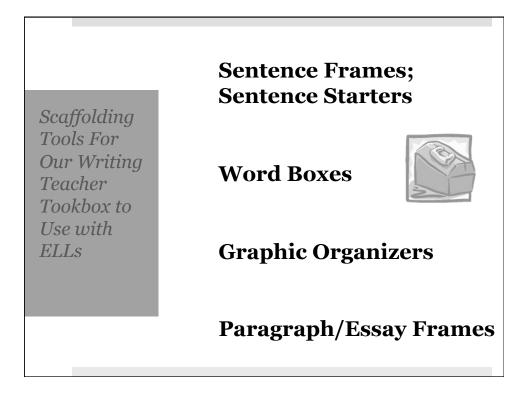


Today's date:	You can draw here!
Rock number:	
Name of rock;	
Color:	
Shape:	
Size:	
Where I found it:	
My notes:	



35





Writing Scripts/Frames/Templates			
Stems to Get Started With or without Word Boxes	I found the second chapter interesting for several reasons: First Second Third		
Scripts to Use	I discovered that I also learned It was interesting that Finally As you can see		

