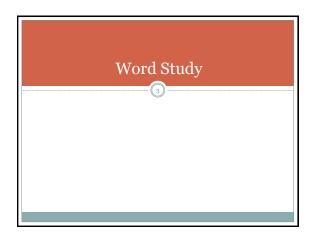
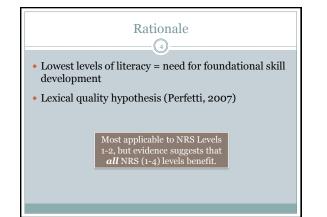
#### Reading Instruction for Adult Basic Education Students

DEBORAH K. REED, PH.D. FLORIDA CENTER FOR READING RESEARCH FLORIDA STATE UNIVERSITY

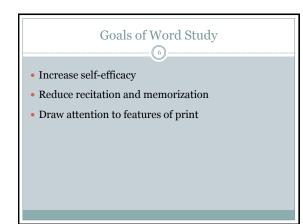
### Outcomes for the day

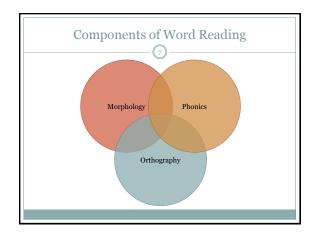
- Review the rationale for teaching specific reading skills to adult learners
- Learn the components of word study, fluency, and comprehension instruction
- Experience sample instructional activities for word study, fluency, and comprehension
- Understand how to plan appropriate reading instruction for ABE students





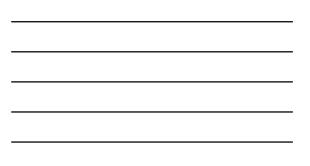
Successful vs. Struggling Readers		
Successful Readers	Struggling Readers	
Read multi-syllabic words and use strategies to figure out unknown words	Often read single syllable words effortlessly but have difficulty decoding longer multi-syllable words	
Make connections between letter patterns and sounds and use this understanding to read words	May lack knowledge of the ways in which sounds map to print	
Break words into syllables during reading	Have difficulty syllabicating words into syllable parts	
Use word analysis strategies to break difficult or long words into meaningful parts such as inflectional endings, prefixes, suffixes, and roots	Often do not use word analysis strategies to break words into parts	

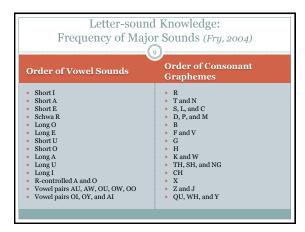






Basic Concepts	
Letter-sound Knowledge	Alphabetic Principle
<ul> <li>Knowing the common sounds of letters, letter combinations, and spelling patterns</li> <li>Knowing how to blend the sounds of letters together to read words</li> </ul>	<ul> <li>Understanding that the sequence of sounds in spoken words is represented by the sequence of letters in printed words</li> <li>Ability to associate sounds with letters and use these sounds to form words</li> <li>Phonological recoding <ul> <li>Regular words</li> <li>Irregular words</li> <li>Advanced word analysis</li> </ul> </li> </ul>

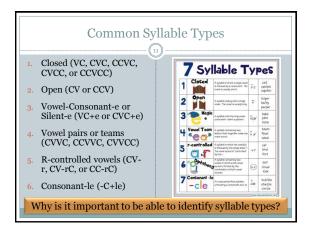






### Other Concepts

- Syllable: The smallest unit of speech that contains one vowel sound
- Consonant blend: A combination of consonant letters found before or after a vowel sound in a syllable, in which each consonant represents a unique sound (e.g., tr-, spr-)
- Consonant digraph: A combination of consonant letters that represent one speech sound (e.g., ph-, ch-)
- Irregular word: A word in which the letter combinations do not make their expected or most common sounds (e.g., *could, right, beauty*)
- Schwa: An indistinct vowel sound found in unstressed English syllables (e.g., common)
- Automaticity: Immediately recognizing words without having to decode sounds or syllables



Closed and Open Syllables	
Closed Syllables	Open Syllables
• splen – did	• <u>no</u> – tion
• gos – sip	• spry
• in – sect	• pre – dict
• rab – bit	• se – quel
• mag – net	• la – zy
• hom – o – nym	• i – tem



# **CLOSED SYLLABLE**

**Definition**: A closed syllable has one vowel that is closed in by a consonant. The vowel sound is short. (VC, CVC, CCVC, CVCC, or CCVCC)

Language Arts:	Social Studies:
<u>In dex</u>	West
Po <u>et</u>	<u>Taft</u>
<u>Ed it</u>	<u>Em</u> pire
Pre <u>dict</u>	<u>Mod</u> ern
<u>Con cept</u>	<u>Pop</u> u <u>list</u>
<u>Lit</u> erature	<u>Dem</u> o <u>crat ic</u>
Relation <u>ship</u>	<u>In</u> de <u>pen dent</u>
Math:	Science:
<u>Sum</u>	<u>Rust</u>
Add	<u>En</u> ergy
<u>Sub tract</u>	<u>Prop</u> erty
<u>Fig</u> ure	<u>In</u> ter <u>act</u>
<u>Fact</u> or	<u>Element</u>
<u>Ob ject</u>	<u>Tem</u> perature
<u>In ves tig</u> ate	E <u>lec</u> tro <u>mag</u> <u>net ic</u>

# **OPEN SYLLABLE**

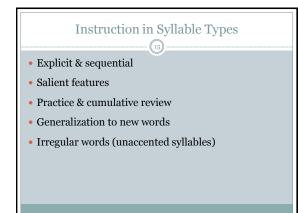
**Definition**: An open syllable has one vowel that occurs at the end of the syllable. The vowel sound is long. (CV or CCV)

Language Arts:	Social Studies:
<u>Po</u> et	<u>Tri</u> umph
<u>Stu</u> dent	<u>Mi</u> grate
Pronoun	<u>Na</u> tion
<u>Pre</u> dict	<u>Re</u> view
Au <u>to bi</u> ography	<u>Re</u> form
Com <u>pre</u> hensive	<u>De</u> velop
<u>Re</u> lationship	In <u>de</u> pendent
Math:	Science:
<u>Me</u> ter	<u>Sci</u> ence
<u>Be</u> low	<u>Lu</u> nar
<u>Ta</u> ble	<u>Re</u> source
<u>Re</u> sult	<u>Cli</u> mate
<u>De</u> scribe	Vol <u>ca no</u>
<u>E qua</u> tion	<u>Re</u> flection
<u>De</u> nomi <u>na</u> tor	<u>E</u> lec <u>tro</u> magnetic

Vowel-Consonant- <i>e</i> and <i>R</i> -controlled Syllables		
Vowel-Consonant-e Syllables	<i>R</i> -controlled Syllables	
• dic – tate	• bom – bard	
• lone – ly	• tur – nip	
• pro – file	• cor – ner	
• stam – pede	• vir – tue	
• in – vite	• per – fect	
• wish – bone	• car – pool	


Vowel Pair and Consonant- <i>le</i> Syllables		
Vowel Pair Syllables	Consonant- <i>le</i> Syllables	
• sail – boat	• puz – zle	
• man – hood	• bub - ble	
• six – teen	• can – dle	
• treat – ment	• la – dle	
• m <u>oo</u> n – struck	• ma – ple	
• <u>ou</u> t – side	• cir – cle	





# **Vowel-Consonant-E SYLLABLE**

**Definition**: A VCE syllable (silent –e syllable) ends with an –e, has one consonant before the –e, and one vowel before the consonant. The vowel sound is long and the -e is silent. (VC-e or CVC-e)

Language Arts:	Social Studies:
<u>Tale</u>	<u>Mine</u>
<u>Write</u>	<u>Rise</u>
<u>Theme</u>	Em <u>pire</u>
De <u>scribe</u>	<u>Safe</u> guard
Intro <u>duce</u>	De <u>bate</u>
<u>Fore</u> shadow	Popu <u>late</u>
Visual <u>ize</u>	Enter <u>prise</u>
Math:	Science:
<u>Cube</u>	<u>Plate</u>
<u>Score</u>	Wave
<u>Shape</u>	Ex <u>plore</u>
Div <u>ide</u>	Na <u>ture</u>
A <u>like</u>	Com <u>bine</u>
Evalu <u>ate</u>	Pol <u>lute</u>
Investig <u>ate</u>	Cre <u>ate</u>

# **R-CONTROLLED VOWELS**

**Definition**: An R-controlled syllable contains a vowel followed by an –r. This combination makes a unique sound. (V-r)

Language Arts:	Social Studies:
In <u>form</u>	<u>Farm</u>
Auth <u>or</u>	<u>Mar</u> ket
Thea <u>ter</u>	Ac <u>cord</u>
Narra <u>tor</u>	Mod <u>ern</u>
Charac <u>ter</u>	An <u>ar</u> chist
<u>Per</u> spective	A <u>part</u> heid
Fig <u>ur</u> ative	Af <u>firm</u> ative
Math:	Science:
Part	Sul <u>fur</u>
<u>Per</u> cent	<u>Car</u> bon
Pat <u>tern</u>	En <u>ergy</u>
En <u>large</u>	<u>Part</u> icle
Fact <u>or</u>	Con <u>ser</u> vation
Simi <u>lar</u>	<u>Zir</u> conium
<u>Per</u> ime <u>ter</u>	<u>Berk</u> elium

# **VOWEL PAIRS or TEAMS**

**Definition**: A vowel pair syllable has two vowels together that make one vowel sound.

Language Arts:	Social Studies:
Read	Greek
<u>Goal</u>	<u>Speech</u>
<u>Mean</u> ing	<u>Peace</u>
<u>Speak</u> ing	<u>Launch</u>
De <u>tail</u>	<u>Free</u> dom
Proof <u>read</u>	<u>Sweat</u> shop
<u>Main</u> Character	Bern <u>stein</u>
Math:	Science:
<u>Paid</u>	<u>Stream</u>
<u>Mean</u>	<u>Toad</u>
<u>Speed</u>	<u>Heat</u>
<u>Pie</u>	<u>Sea</u>
<u>Fea</u> ture	<u>Beat</u>
Ex <u>plain</u>	<u>Lead</u>
<u>Rea</u> son	<u>Rain</u>

# **CONSONANT-LE SYLLABLE**

**<u>Definition</u>**: A consonant –le syllable has a consonant followed by –le. The vowel sound in this syllable is the schwa sound followed by the *l* sound. The e is silent. (-C+le)

Language Arts:	Social Studies:
Ti <u>tle</u>	Set <u>tle</u>
Fa <u>ble</u>	Cat <u>tle</u>
Peo <u>ple</u>	Strug <u>gle</u>
Princi <u>ple</u>	Bat <u>tle</u>
Arti <u>cle</u>	Set <u>tle</u> ment
Exam <u>ple</u>	Spin <u>dle</u> top
Partici <u>ple</u>	Profita <u>ble</u>
Math:	Science:
Single	Tur <u>tle</u>
Dou <u>ble</u>	Trem <u>ble</u>
Cou <u>ple</u>	Bee <u>tle</u>
Mid <u>dle</u>	Man <u>tle</u>
Puz <u>zle</u>	Nee <u>dle</u> leaf
Possi <u>ble</u>	Predicta <u>ble</u>
Trian <u>gle</u>	Adapta <u>ble</u>

### Instruction in Syllable Types

#### Sequence of types:

Closed syllables

Open syllables

Vowel-consonant-*e* syllables

Vowel-*r* syllables

Vowel pair syllables

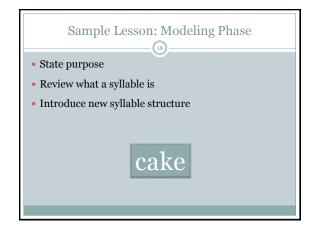
• diphthongs

Consonant-le syllables

Irregular words

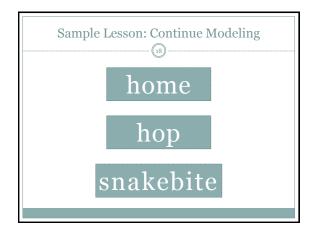
#### Instructional Steps:

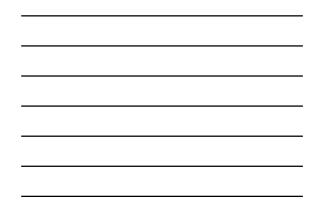
- 1. Provide multiple opportunities to practice identifying a syllable type in one-syllable words.
- 2. Gradually increase practice in a syllable type to include two-syllable words and then multi-syllable words.
- 3. Ask: Do I need to divide this word into different syllables?
  - a. If no: Why not?
  - b. If yes: Where? Why?
- 4. Ask: What is the syllable type? and What does it tell me about the vowel sound?
- 5. Say each syllable out loud slowly.
- 6. Put the syllables together and say the whole word.
- 7. Provide cumulative reviews of the syllable types.
  - a. Word sorts
  - b. Manipulating words to divide between syllables
  - c. Manipulating words to add or remove letters that change the syllable type (e.g. *pin* to *pine*; *so* to *soft*; *bell* to *be*)
  - d. Practicing with regular and irregular words





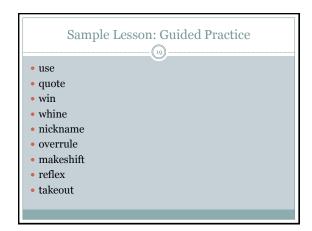






### Practice with Silent-e Syllable Words

cake home hop snakebite use quote win whine nickname overrule makeshift reflex takeout





- This syllable is a/an [closed, open, silent-*e*, vowel-*r*, vowel pair/team, consonant-*le*, irregular] syllable. It is pronounced \_\_\_\_\_.
- Please read the syllable.
- Let's read each syllable in order.
- Read the whole word.
- Read the word one more time, please.

Where Adults Struggle
• Identifying syllables
• Unaccented syllables

### Rules of Syllable Division

Every syllable must have a vowel in it.

Two Consonants (VCCV) Divide between two consonants hap pen and cat nip

Keep digraphs together rock et

A blend may stay together in the second syllable, especially if there is a prefix in the first syllable

pro gram and re spond

Divide just before the consonant in a word ending in the syllable Consonant-*le* **bu gle and sta ple** 

Three Consonants (VCCCV) Keep digraphs together eth nic and bath tub

Blend stays together in the second syllable mat tress and hun dred

If the word is a compound word, split between the two words (the blend may be in the first syllable)

hand bag and chest nut

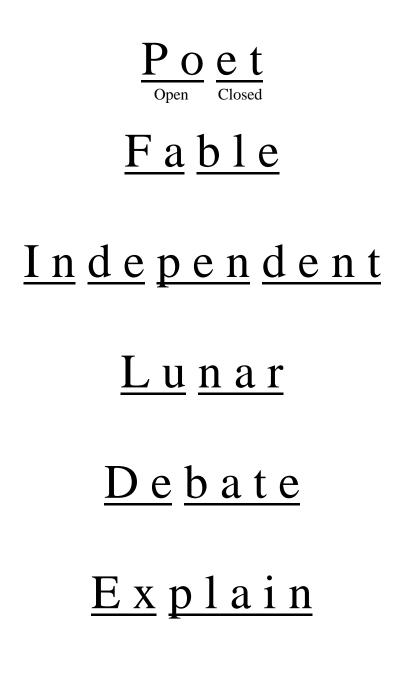
Divide just before the consonant in a word ending in the syllable Consonant-*le* **jug gle and rum ble** 

Four Consonants (VCCCCV) Divide between digraphs, blends, and welded sounds wing span and sling shot

Watch for three-letter blends in the second syllable **con struct and in struct** 

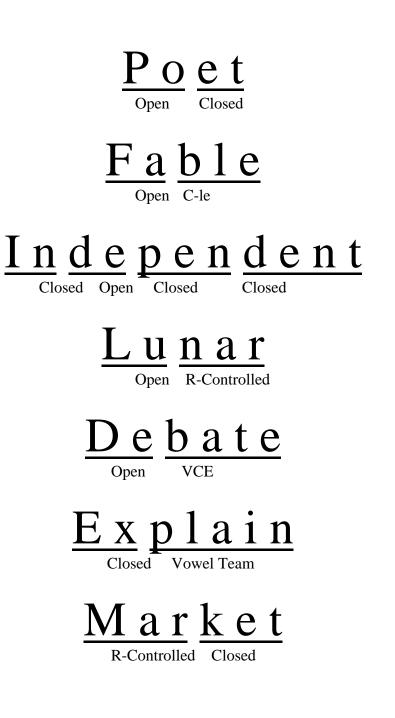
### SIX SYLLABLE TYPES: PRACTICE

**Directions:** Identify the syllable types underlined in the following words. The first word is done for you.

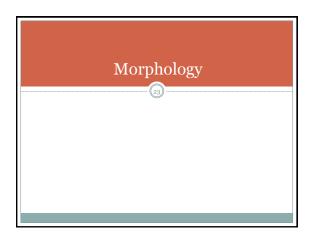


# <u>Market</u>

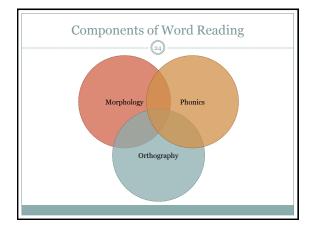
### SIX SYLLABLE TYPES: KEY







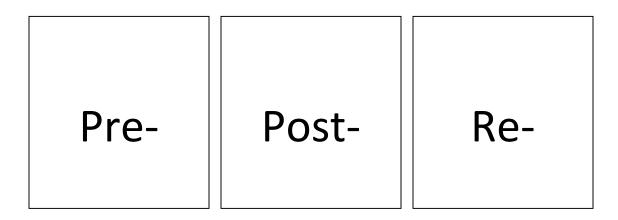






# **Sample Word Parts**

Prefix: A word part that is attached to the beginning of a word Suffix: A word part that is attached to the end of a word Root or base word: the basic part of a word that carries meaning

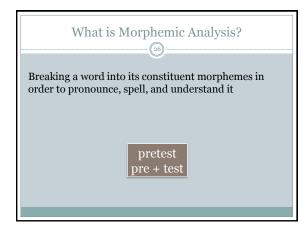


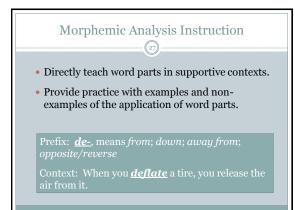


### What Are Morphemes?

#### Greek and Latin:

- Prefixes
- Roots/Combining Forms
- Suffixes





### Deepen Understanding

- If *deflate* is to take air <u>out</u> of or <u>from</u> the tire, what word means to put air <u>into</u> the tire?
- So, what prefix do you think is the opposite of <u>de-</u>?
- If something is *inhumane*, can the opposite be *dehumane*?
- Look at these words: imbalance, imbed, imbibe, immaculate, immense, immoral, immure, impartial, impediment, impose, impure. Is there a pattern for when im- is used instead of in-?

Deepen Understanding (29) If *deflate* is to take air <u>out</u> of or <u>from</u> the tire, what word means to put air <u>into</u> the tire? • So, what prefix do you think is the opposite of <u>de-</u>? • If something is *inhumane*, can the opposite be *dehumane*? • Look at these words: imbalance, imbed, imbibe, immaculate, immorae, immoral, immure, impartial, impediment, impose, impure. Is there a pattern for when im- is used instead of in-?

Using the Targ	tice Sorting Words get Word Part(s) 30 ay from; opposite/reverse
Examples	Non-examples
Word Bank: decathlon, dec descend, detract, dent, democ	cide, decigram, dehydrate, eracy, demibastion, demilitarize



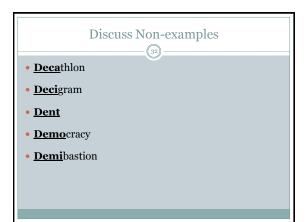
### **Morphology Word Sort**

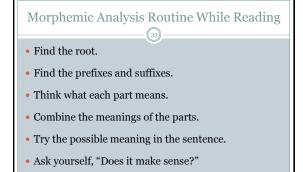
**Word Bank:** *decathlon, decide, decigram, dehydrate, descend, detract, dent, democracy, demibastion, demilitarize* 

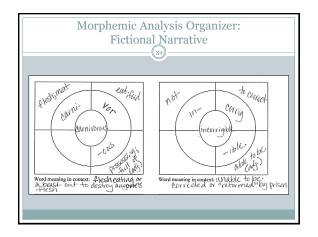
Non-examples of the Prefix de-

Can you think of other examples and non-examples?

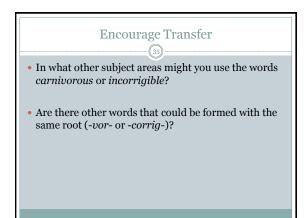
	ractice Sorting Words 'arget Word Part(s)
de-: from; down;	away from; opposite/reverse
<b>Examples</b>	Non-examples
Word Park: deathlen	. decide, deciaram, dehudrate.

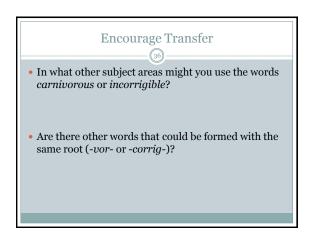


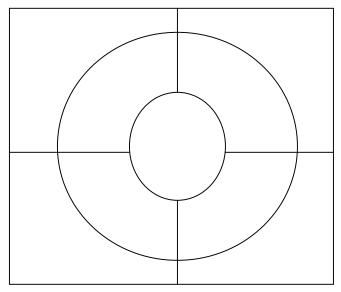


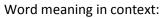


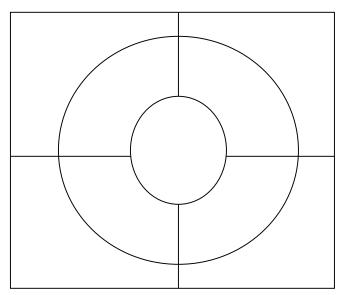




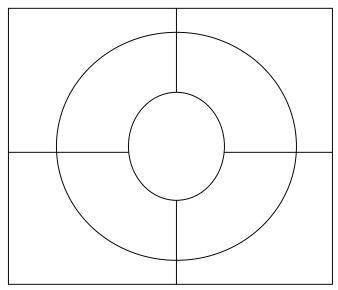




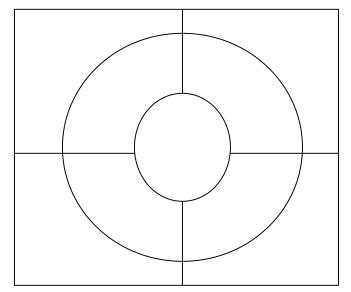




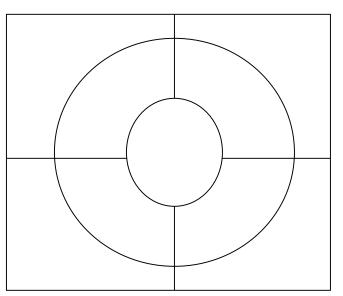
Word meaning in context:



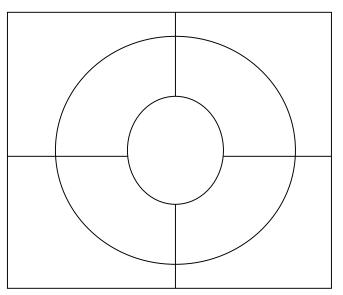
Word meaning in context:



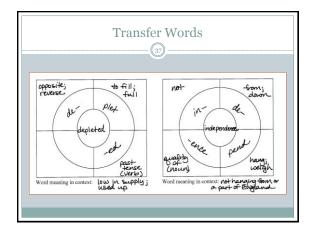
Word meaning in context:



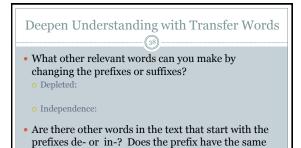
Word meaning in context:

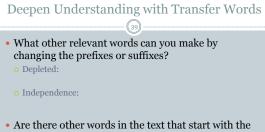


Word meaning in context:





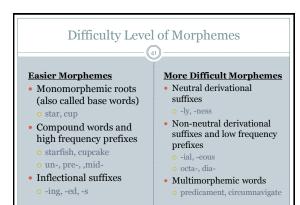




meaning?

### Scaffolding

- Model, model, model!
- Provide cumulative review of morphemes.
- Consider the difficulty level of morphemes with respect to different students' abilities.
- Encourage students to find and provide additional examples.





# Morphology Scope and Sequence

### <u>Easy</u>

#### "Not/opposite" Prefix Family

-	••	•	
٠	anti-	against	antisocial, antiseptic, antibiotic, antifreeze
٠	contra-	opposite	contraband, contradict, contrary, contrast
٠	dis-	not/opposite	dislike, disarm, disagree, dishonest, discontinue
٠	un-	not/opposite	unhappy, undefeated, untrue, uncomfortable
٠	il-/im-/-in	not/opposite	illegal, impolite, impossible, incurable, inexpensive
٠	ir-	not/opposite	irresponsible, irreplaceable, irresistible, irrelevant
٠	non-	not/opposite	nonfiction, nonstop, nonliving, nonviolent

#### "Good" and "Bad" Prefix Families

- ben-/bene- good/well benefit, beneficial, benign, benefactor
- mal- *not/bad/wrong* malnourished, malpractice, maladjusted, malady
- mis- *bad/ill* misbehave, misread, misunderstand, mistake

#### **Greek Combining Forms**

٠	auto	self	automatic, autograph, autobiography
•	bio	body/life	biology, biography, biomass, biodegradable, biopsy
٠	chron	time	chronological, chronic, chronicle, synchronize
•	graph	letter/writing	graphics, paragraph, photograph
٠	meter	measure	chronometer, thermometer, odometer, meter
٠	photo	light	photograph, photosynthesis, photocopy
٠	tele	distant/far	telegraph, telephone, telephoto, television
٠	therm	heat/warm	thermometer, thermal, thermostat, thermos

#### "Person" Suffix Family

• •	-ee -ist -ian/-can	person who person who person who	employee, payee, referee, escapee, awardee scientist, artist, pianist, specialist, realist, biologist Canadian, Russian, Italian, American, Mexican,
•	-cian -ar/-er	person/thing that does person/thing	musician, beautician, journalist, cartoonist
•	-or	that does person/thing that does	beggar, liar, teacher, reporter, composer, singer actor, governor, dictator, juror, donor, conductor

#### "Can be" and "Worthy of" Suffix Families

•	-able	can be worthy of	drinkable, likable, manageable [verb+suffix] valuable, comfortable, dependable [adjective+suffix]
•	-ible	can be worthy of	visible, reversible, collectible [verb=suffix] terrible, responsible, flexibility [adjective+suffix]
٠	-ful	full of	joyful, beautiful, successful, painful, careful
٠	-less	without	hopeless, thoughtless, fearless, harmless, tireless

### <u>Medium</u>

"Position" Prefix Family

٠	pre-	before	preview, prehistoric, precaution
٠	mid-	middle	midnight, midlife, midterm, midland
٠	inter-	between	interstate, internet, international
٠	intra-	within	intranet, intramural, intravenous, intracranial
٠	post-	after	postwar, posttest, postscript, postdate, posterior

"Over/Under" Prefix Family

derdone

#### "Together" Prefix Family

• co-com-/con- *together/with* coauthor, cooperate, concentric, compatriot

#### Greek Combining Forms

٠	ast/astro	star; heavens	asterisk, disaster, astronaut, astrology, astronomical
٠	geo	earth/rocks	geography, geology, geothermal, geocentric
٠	phon/phone	sound	megaphone, symphony, microphone, phonograph
•	scop	see	telescope, periscope, microscopic, kaleidoscope

Latin Roots (Senses)

<ul> <li>aud</li> </ul>	hear	audience, audible, audition, audiovisual, auditorium
<ul> <li>dict</li> </ul>	speak	predict, contradict, verdict, dictator
• form	shape	uniform, reform, formula, transformation
<ul> <li>mit/miss</li> </ul>	send	emit, submit, transmit, missile, admission, dismiss
<ul> <li>spect</li> </ul>	see	spectator, inspector, respectful, suspect, spectacles

#### "State" or "Character Of" Suffix Family

٠	-ous	full of	nervous, furious, outrageous, serious, fictitious
•	-ly	resembling	fatherly, scholarly, greedily, cruelly, patiently
•	-ic	relating to	tragic, comic, patriotic, genetic, economic, heroic
•	-ish	relating to	childish, English, selfish, outlandish, smallish
•	-al/-ial	relating to	eternal, natural, musical, influential, judicial, trivial
•	-ion	quality of	champion, suspicion, division, suspension, caution
•	-ness	quality of	goodness, darkness, fairness, weariness, happiness
٠	-ty/-ity	quality of	amnesty, honesty, unity, hostility, priority, infinity
•	-er/-est	more/most of	sweeter/sweetest, louder/loudest, thicker/thickest

### <u>Hard</u>

"Direction" Prefix Family

•	re-	back; again	recede, retest, recall, repaint, redo, rewrite
•	dia-	across	diagonal, diameter, dialogue
٠	trans-	across	transport, transcribe, transfusion

"Numeric" Prefix Family

•	hemi-/semi-	half	hemisphere, semicircle, semiconscious, semiannual
٠	mono-	one	monotonous, monopoly, monorail
٠	bi-	two	bilingual, bilateral, binomial
•	tri-	three	triangle, tricycle, trilogy, triplicate
•	quad-	four	quadriceps, quadrant, quarter, quart, quadrangle
•	pent-	five	pentagon, pentameter, pentathlon, pentagram
٠	dec-	ten	decimal, decade, decibel, decapod, decimeter
٠	cent-	100	century, centigrade, centipede, centennial

#### Latin Roots

• •	cide/cise form mit/miss	kill; cut shape send	insecticide, genocide, scissors, incision, excise uniform, reform, formula, transformation emit, submit, transmit, missile, admission, dismiss
٠	port	carry	transport, supportive, reporter, import, portable
٠	rupt	break	disruption, corrupt, erupt, interrupt, abruptly
•	script/scrib	write/written	transcript, prescription, scribble, describe
•	struct	build	construct, instruct, destruction, structure
•	tract	pull; drag	traction, attract, abstract, protractor, contract

#### "Action" Suffix Family

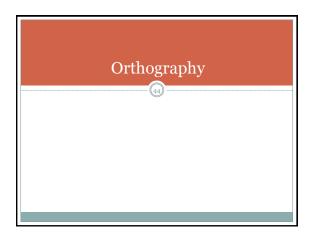
٠	-fy	to make	satisfy, falsify, rectify, terrify, beautify
•	-ive	inclined to	explosive, passive, negative, active, creative
•	-ize	to make	standardize, criticize, memorize, fossilize, theorize
•	-ure	action	censure, failure, exposure, puncture, legislature

#### Multiple Meaning Suffixes

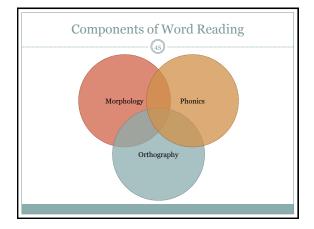
•	-ant/-ent	1)one who 2)inclined to	assistant, immigrant, superintendent, resident buoyant, vigilant, defiant, pleasant, stringent
•	-ate	1)to make	annihilate, liberate, situate, participate, fluctuate
		2)quality of	desperate, fortunate, passionate, delicate, legitimate
•	-ment	1)act of	experiment, development, government, judgment
		2)quality of	amusement, predicament, astonishment, enjoyment
•	-ary	1)one who	secretary, dignitary, emissary
		2)relating to	military, secondary, ordinary, literary, honorary
		3)place for	library, mortuary, infirmary, glossary, sanctuary

## Practical Matters for Implementation

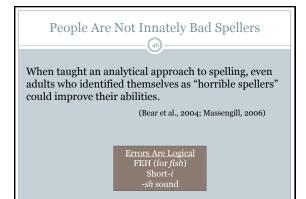
- Purposeful selection of words
- Avoid creating greater confusion
- Focus on high function, high utility morphemes
- Balance of time commitment
- Pair with spelling

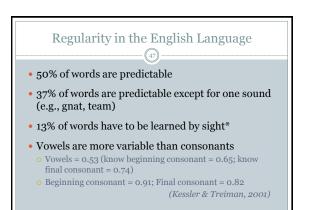


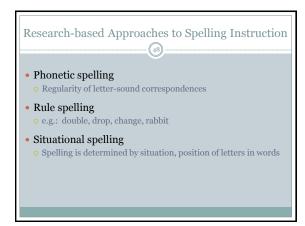




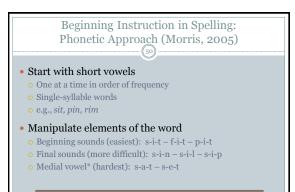




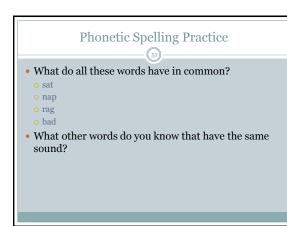




Phonetic Spelling: Vowels					
Short/Long (single -r & -l (single Controlled Digraphs			raphs		
1 sound 2 sounds				2 sounds	
а	mad/made	ar, al, all	ai, ay, au, aw		
е	pet/Pete	er, el	ee, ue, ew	ea, ei	
i	pinning, pining	ir, il		ie	
0	cop, cope	or	oa, oi, oy	oo, ou, ow	
u	cutter, cuter	ur, ul			
Henry, 1					



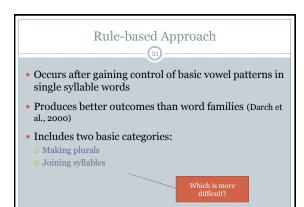
\*Must have taught any phonemes used in the practice word(s)

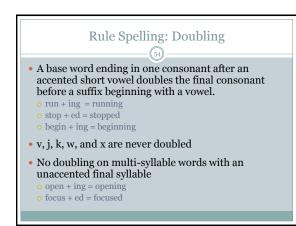


#### Beginning Instruction in Spelling: Phonetic Approach, *continued*

- Add consonant digraphs and blends • *dish*, *chip*, *flip*, *mist*
- Manipulate sounds of a single vowel • *b-i-t - b-i-t-e - b-i-r-d - b-i-l-l*
- Add other ways to produce the vowel sound/pattern\*
- bright, buy, my, mild
- Add word parts\*

\* These later-developed skills will lead into rule-based spelling



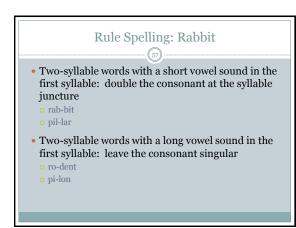


#### **Rule Spelling: Dropping** (55)

#### • A base word ending in silent "-e" drops the "e" before a suffix beginning with a vowel.

- o entice + ing = enticing
  o brace + ed = braced
- o love + able = *lovable*
- acknowledge + ment = acknowledgement
- Exception: judgment\*
- Do not drop the "-e" when "-ce" or "-ge" is between "a," "o," or "u" and the suffix "-able" or "-ous".
- manageable, outrageous, noticeable
- Exception: *spacious*

Rule Spelling: Changing (56) • A base word ending in "-y" after a consonant changes "y" to "i" before any suffix -- except one beginning with "i".  $\circ$  try + ed = tried • try + ing = trying o funny + er = funnier

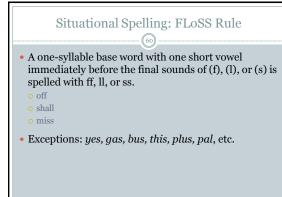


# Explain the Spelling

1. Why does "y" change to "i" on *complied* but not *complying*?

- 2. Why is *fitter* spelled with 2 "*t*"s but *fitness* with 1?
- 3. Why does the "-e" drop on *moving* but not on *movement*
- 4. Why is *potting* spelled with 2 "t"s but *boxing* is spelled with 1 "x"?
- 5. Why does "y" change to "i" on *prettier* but not *player*?
- 6. Why is *compelled* spelled with 2 "*l*"s but *canceled* with 1?
- 7. Why does the "-e" drop on *encouraging* but not on *courageous*?



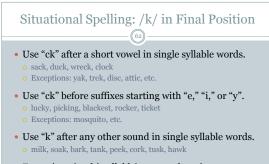


## Explain the Spelling

- 1. Why does "y" change to "i" on *complied* but not *complying*?
- 2. Why is *fitter* spelled with 2 "t"s but *fitness* with 1?
- 3. Why does the "-e" drop on *moving* but not on *movement*
- 4. Why is *potting* spelled with 2 "*t*"s but *boxing* is spelled with 1 "*x*"?
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- 6. Why is *compelled* spelled with 2 "*l*"s but *canceled* with 1?
- 7. Why does the "-e" drop on *encouraging* but not on *courageous*?
- 8. Why is fell spelled with 2 "1"s but feel with 1?
- 9. Why is sass spelled with 2 "s"s but seas with 1?
- 10.How does the spelling of the /k/ sound in baking and backing indicate the pronunciation of the vowel "a"?
- 11. Why is the /k/ sound at the beginning of crank spelled differently than at the end?
- 12. Why is the /ee/ sound in gradient spelled differently than in gleeful?

### Situational Spelling: /k/ in Initial or Medial Position

- Use "c" in front of an "a", "o" or any consonant. • Most common (cat, corn, actor, victim, direct, mica)
- Sometimes "c" is doubled to "cc" to protect the sound of the short vowel
   stucco, occupy, raccoon
- Use "k" in front of an "e", "i", or "y".
  - kin, make, sketch, poker, kind, risky, token, skill, keep, liking, flaky
  - "k" never doubles in English words
- Exceptions: school, mosquito, etc.



• Exceptions (multi-syllable): monarch, unique, tarmac, etc.

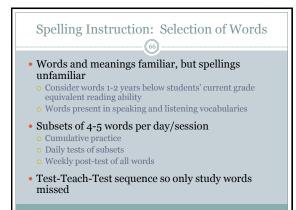
### Situational Spelling: "oi" and "oy"

- In initial or medial position in a base word, use "*oi*". • oil, boiling, spoiler
  - Exceptions: *oyster*, *loyal*, etc.
- In final position in a word of any length, use "*oy*" (before suffixes)
- o boy, overjoy, deploy, envoy

# Other Situational Spelling Rules

- /s/ in the initial or medial position vs. final position
- $\bullet$  /j/ in the initial or medial position vs. final position
- /ch/ in the final position
- "ai" vs. "ay"
- /er/
- /sh/ with suffixes
- /ee/ with suffixes





# Change the Spelling

Change the underlined portion of the following words according to the directions.

Starting	Directions for Making a Change	Changed
Word		Word
plac <u>ard</u>	Change the ending so that the <i>c</i> makes a /s/ sound.	
ag <u>ent</u>	Change the ending so that the $g$ makes a /g/ sound.	
do <u>t</u> s	Change the consonant <i>t</i> so that the <i>s</i> makes /z/ sound.	
j <u>a</u> m	Change the medial vowel so that the /j/ sound is made	
	with the letter g.	
<u>p</u> in	Add a consonant to change the onset to a consonant	
	blend.	
fixa <u>te</u>	Change the silent- <i>e</i> syllable to a final stable syllable.	
n <u>o</u> se	Change the medial sounds to a diphthong.	
c <u>e</u> ll	Change the medial vowel so that the <i>c</i> makes the /k/	
	sound.	
mag <u>net</u>	Change the ending so that the $g$ makes the $/j/$ sound.	
ca <u>t</u>	Add consonants to create a final consonant digraph.	

### Spelling Instruction: Direct Teaching and Student Practice

- Introduce one pattern or rule at a time.
  - Rule-based approaches produced better outcomes than word families (Darch et al., 2000).Work with examples and exceptions.
- Provide practice opportunities with audiotapes.
- Teach peers to support each others' practice (Delquadri, Greenwood, Stretton, & Vance Hall, 1983)

#### Instruction: 5-Step Spelling Strategy (Fulk, 1996; Graham & Freeman, 1985)

- Say the word.
- Write and say the word.
- · Check your spelling.
- Trace and say the word.
- Write the word from memory and check it.

Practice the 5-Step Spelling Strategy with your partner. Partner A uses List A, part 1, while Partner B helps with the steps. Then, Partner B uses List B, part 1, while Partner A helps with the steps.

### Instruction: Steps for Teaching the Strategy

- · Explain the purpose
- To improve your learning and memory of spelling words
- To support your reading and writing
- Model by thinking aloud to explain each strategy step (Ellis et al., 1993)
- o Stress combining effort and strategy use (Mushinski et al., 1990)
- Provide guided practice with instructional feedback
- Have students practice naming the strategy steps until automaticity is reached (Ellis et al., 1993)
  - Self-monitor by checking against the steps
- Emphasize using the strategy in other settings

Word	Spelling Rule(s)
gaff	FLoSS
occurring	Doubling and "cc" for /k/
omitted	Doubling
referred	Doubling
courageous	Dropping
discoveries	Changing and "c" for /k/
kiln	Initial /k/

## Spelling List A, part 1: 5-Step Spelling Strategy

Step 1: Say the word.

Step 2: Write and say the word.

1.	
2.	
3.	
7.	

Step 3: Check your spelling. Make any necessary corrections.

Step 4: Trace your correct spelling of the word as you say the word out loud.

Step 5: Turn over this paper to the blank side. Write the word from memory. Then, flip the paper back over to check it.

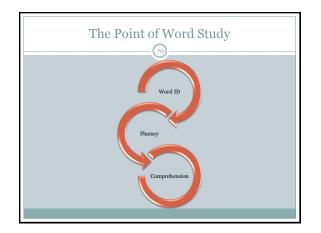
Word	Spelling Rule(s)		
quell	FLoSS		
hiccupped	Doubling and "cc" for /k/		
preferred	Doubling		
transferred	Doubling		
hesitating	Dropping		
categories	Changing and "c" for /k/		
kernel (of corn or truth)	Initial /k/		
<ul><li>Step 1: Say the word.</li><li>Step 2: Write and say the word.</li></ul>			
8			
9			
10			
11			
12			
13			
14			

## Spelling List B, part 1: 5-Step Spelling Strategy

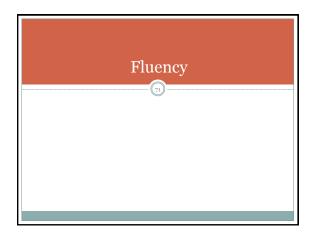
Step 3: Check your spelling. Make any necessary corrections.

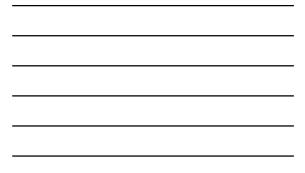
Step 4: Trace your correct spelling of the word as you say the word out loud.

Step 5: Turn over this paper to the blank side. Write the word from memory. Then, flip the paper back over to check it.









Successful vs. Struggling Readers				
Successful Readers	Struggling Readers			
Read 100-160 words per minute (at the middle school level), depending on the nature and difficulty of the text	Read slowly and laboriously			
Decode words accurately and automatically	May continue to struggle with decoding or may decode correctly but slowly			
Group words into meaningful chunks and phrases	May not pause at punctuation or recognize phrases			
Read with expression	Often lack voice or articulation of emotion while reading			
Combine multiple tasks while reading (e.g., decoding, phrasing, understanding, and interpretation)	May lack proficiency in individual skills that result in dysfluent reading and limit comprehension			

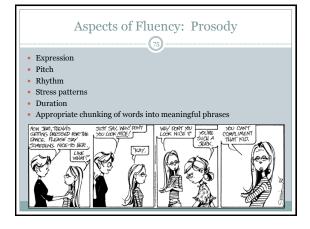


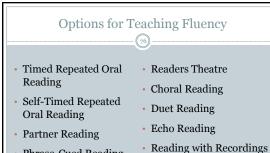
# ABE Students

#### • Reluctance to read orally

- Limitations of choral reading
- Consequences of reading avoidance
- High world knowledge and oral vocabulary
- Low print exposure and print vocabulary

Aspects of Fluency: Automaticity				
Accuracy	Rate			
<ul> <li>The ability to recognize or decode words correctly.</li> <li>Example: Knowing that the letters c-a-t-c-h spell the word:         <ul> <li>Catch</li> <li>And not</li> <li>Cat</li> </ul> </li> </ul>	<ul> <li>How quickly and accurately a reader reads connected text</li> <li>If readers are able to recognize and read words with automaticity, they will read at a more fluent rate.</li> </ul>			





#### · Phrase-Cued Reading

### Drawing Attention to Phrases: Poetry 77 Politeness by A. A. Milne If people ask me, I always tell them: "Quite well, thank you, I'm very glad to say." If people ask me, I always answer, "Quite well, thank you, how are you to-day?" I always answer, I always tell them, If they ask me Politely..... BUT SOMETIMES I wish That they wouldn't.

#### Instruction in Phrase-Cued Reading

- State the purpose: Improve ability to read with expression and understanding.
- Use a text with commas and end punctuation removed.
- Model reading the text aloud with intonation while marking the phrases:
- o Use one slash mark, /, to indicate short pauses at meaningful phrases.
- o Use two slash marks, //, to indicate longer pauses at the end of sentences.
- · Correct boundaries based on fluency and meaning.

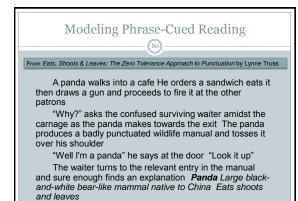
# Modeling Phrase-Cued Reading

From Eats, Shoots & Leaves: The Zero Tolerance Approach to Punctuation by Lynne Truss

A panda walks into a cafe He orders a sandwich eats it then draws a gun and proceeds to fire it at the other patrons

"Why?" asks the confused surviving waiter amidst the carnage as the panda makes towards the exit The panda produces a badly punctuated wildlife manual and tosses it over his shoulder

"Well I'm a panda" he says at the door "Look it up" The waiter turns to the relevant entry in the manual and sure enough finds an explanation **Panda** Large blackand-white bear-like mammal native to China Eats shoots and leaves



Guided Practice in Phrase-Cued Reading (B) John my oldest cousin loves garage sales The other day while driving through the neighborhood I saw a sign that read Giant Moving Sale Today I couldn't wait to tell him what I saw I knew he would just have to go and see for himself You just never know what you will find in your own neighborhood do you

### **Phrase-Cued Reading**

Read the paragraph aloud with expression. Insert one slash, /, to indicate short pauses at meaningful phrases. Insert two slashes, //, to indicate longer pauses at the end of sentences.

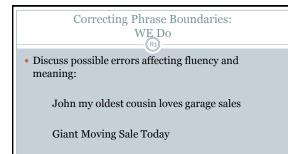
### Guided Practice Paragraph

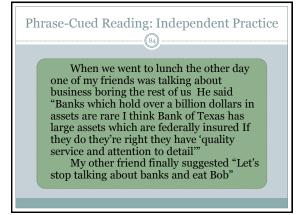
John my oldest cousin loves garage sales The other day while driving through the neighborhood I saw a sign that read Giant Moving Sale Today I couldn't wait to tell him what I saw I knew he would just have to go and see for himself You just never know what you will find in your own neighborhood do you

Re-read the paragraph aloud to correct phrase boundaries for fluency and meaning.

# Guided Practice in Phrase-Cued Reading

John my oldest cousin loves garage sales The other day while driving through the neighborhood I saw a sign that read Giant Moving Sale Today I couldn't wait to tell him what I saw I knew he would just have to go and see for himself You just never know what you will find in your own neighborhood do you





## **Phrase-Cued Reading**

Read the paragraph aloud with expression. Insert one slash, /, to indicate short pauses at meaningful phrases. Insert two slashes, //, to indicate longer pauses at the end of sentences.

### Independent Practice Paragraph

When we went to lunch the other day one of my friends was talking about business boring the rest of us He said "Banks which hold over a billion dollars in assets are rare I think Bank of Texas has large assets which are federally insured If they do they're right they have 'quality service and attention to detail'"

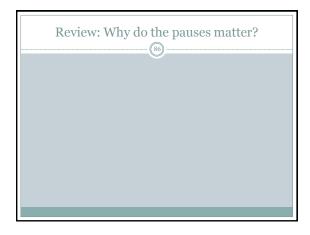
My other friend finally suggested "Let's stop talking about banks and eat Bob"

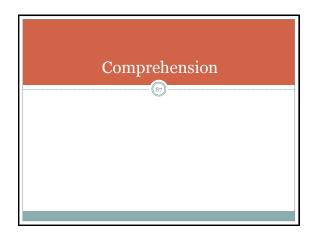
*Re-read the paragraph aloud to correct phrase boundaries for fluency and meaning.* 

# Texts for Phrase Boundary Marking

#### • Cross-curricular sources:

- Math word problems
- Science articles
- Social studies source documents
- Released state assessment passages and items
- Passages students find
- Audio texts
  - Speeches (I Have a Dream)
  - o Comedians





I Have a Dream

### Martin Luther King, Jr.

So even though we face the difficulties of today and tomorrow I still have a dream. It is a dream deeply rooted in the American dream.

I have a dream that one day this nation will rise up and live out the true meaning of its creed: 'We hold these truths to be self-evident; that all men are created equal."

I have a dream that one day on the red hills of Georgia the sons of former slaves and the sons of former slave owners will be able to sit together at the table of brotherhood.

I have a dream that one day even the state of Mississippi, a state sweltering with the heat of injustice, sweltering with the heat of oppression, will be transformed into an oasis of freedom and justice.

I have a dream that little children will one day live in a nation where they will not be judged by the color of their skin but by the content of their character.

I have a dream today.

I have a dream that one day down in Alabama, with its vicious racists, with its Governor having his lips dripping with the words of interposition and nullification, one day right there in Alabama little black boys and black girls will be able to join hands with little white boys and white girls as sisters and brothers.

I have a dream today.

I have a dream that one day every valley shall be exalted, every hill and mountain shall be made low, the rough places plains, and the crooked places will be made straight, and before the Lord will be revealed, and all flesh shall see it together.

This is our hope. This is the faith that I go back to the mount with. With this faith we will be able to hew out of the mountain of despair a stone of hope. With this faith we will be able to transform the genuine discords of our nation into a beautiful symphony of brotherhood. With this faith we will be able to work together, pray together; to struggle together, to go to jail together, to stand up for freedom forever, )mowing that we will be free one day.

And I say to you today my friends, let freedom ring. From the prodigious hilltops of New Hampshire, let freedom ring. From the mighty mountains of New York, let freedom ring. From the mighty Alleghenies of Pennsylvania!

Let freedom ring from the snow capped Rockies of Colorado!

Let freedom ring from the curvaceous slopes of California!

But not only there; let freedom ring from the Stone Mountain of Georgia!

Let freedom ring from Lookout Mountain in Tennessee!

Let freedom ring from every hill and molehill in Mississippi. From every mountainside, let freedom ring.

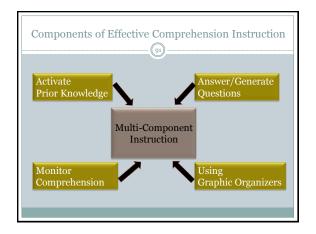
And when this happens, when we allow freedom to ring, when we let it ring from every village and hamlet, from every state and every city, we will be able to speed up that day when all of God's children, black men and white men, Jews and Gentiles, Protestants and Catholics, will be able to join hands and sing in the words of the old Negro spiritual, "Free at last! Free at last! Thank God almighty, we're free at last!"

Successful vs. Struggling Readers			
Successful Readers	Struggling Readers		
Continuously monitor reading for understanding	Fail to use meta-cognitive strategies as they read; may not be aware when understanding breaks down		
Link content with their prior knowledge	May lack subject-specific prior knowledge; do not readily make connections between what they are learning and what they already know		
Use a variety of effective reading strategies before, during, and after reading	Have limited knowledge and use of strategies for gaining information from text		
Set a purpose for reading and adjust their rate and strategy use depending on the text and content	Often do not enjoy reading and lack understanding of the utility of reading		

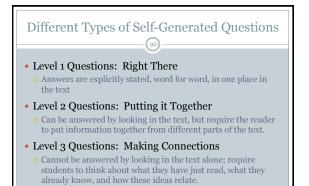
### Reasons Adults May Experience Comprehension Difficulties

- Inability to relate content to prior knowledge
- Over-reliance on background knowledge
- Inability to read text fluently
- Difficulty with decoding words
- Inability to attend to meaning while reading
- Inability to apply comprehension strategies
- Difficulty understanding meaning of words

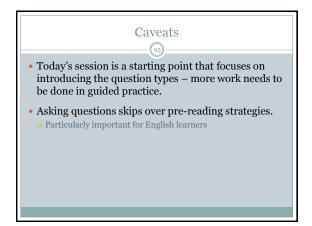
What Happens When Reading Does Not Result in Meaning?	







(Vaughn et al., 2006)



# Level 1—Right There

 Questions can be answered in one word or one sentence
 Answers can be found wordfor-word in the text

> Who? > Where?
> What? > Why?
> When? > How?

# Level 1—Right There

- Questions can be answered in one word or one sentence
- □ Answers can be found wordfor-word in the text
  - > Who? > Where?
  - > What? > Why?
  - > When? > How?

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## Level 1—Right There

- □Questions can be answered in one word or one sentence
- □Answers can be found wordfor-word in the text

> Who?
> Where?
> What?
> Why?
> When?
> How?

## Generating "Right There" Questions: Modeling Phase

- Explain the purpose for generating questions
- Help you understand what you read
- Help you remember important information about what you read
- Introduce the Level 1, "Right There" question type
  - Questions that can be found in one place, word-for-word, in the text.
- Questions that can be answered in one word or one sentence.

### Generating "Right There" Questions: Modeling Phase

• Use a short passage from your text to model how to create a "right there" question.

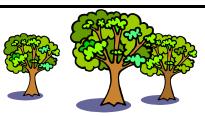
- Read the passage aloud.
- Locate a fact that is a who, what, when, where, why, or how.
- Turn the fact into a question.
- Check the answer to make sure it is found in one place, word-for-word, in the reading.

### Generating "Right There" Questions: Modeling Phase

### Practice Passage: Trees Please!

- Re-read the sentence containing a fact.
   "More than 90% of all species living on land make their homes in trees and forests!"
- Identify the type of fact.
  - Trees and forests are a "what" but also a "where" (see preposition)
- Make your question.
- Where do 90% of all species living on land make their homes?
- Check your answer.

• Trees and forests



# Student Fact Sheet A-3 Trees Please!



### Tree Houses

Trees are not only beautiful plants, they are also home to many creatures! Think of a colobus monkey swinging on tree branches deep in the rainforests of Kenya. Or picture a koala bear sitting in a eucalyptus tree in Australia, munching its tasty leaves. Or imagine a spotted owl nesting in the trunk of a giant redwood tree in California. Without trees, and the forests that contain them, our planet wouldn't be able to support all the different living things, or organisms, that depend on them. As a matter of fact, more than 90% of all species living on land make their homes in trees and forests! Without trees and forests, many animal species will become extinct, or disappear forever like the dinosaur.

### Lungs of the Earth



Human beings need lungs to breathe in **oxygen** and breathe out **carbon dioxide**. Without our lungs, we couldn't survive. Trees act like the lungs of the earth. Trees help

the planet breathe by turning carbon dioxide into clean, pure oxygen.

Trees and forests around the world also act like the planet's air conditioning system and keep the planet cool. They help stop **global warming**. Global warming happens when we burn too much oil or gasoline and when we cut down too many forests. Global warming makes the weather change in serious ways, which is why it's important to stop it from happening. Protecting forests keeps our planet cool.

### Parts of a Tree



A plant is usually considered a tree if it has one woody stem and branches. The woody stem is called a **trunk**. Tree trunks move water and

**nutrients,** or vitamins and minerals, up and down the tree. The trunk is covered in a protective layer called **bark**, and each tree has **roots**. Roots are a big underground system of thin stems that **anchor**, or hold, the tree to the earth. Roots can reach deep down to find the water and nutrients the tree needs to grow. **Chlorophyll** is what makes leaves green, and allows plants to gather energy from the sun through a process called **photosynthesis**. Photosynthesis happens when green leaves use sunlight to turn water and carbon dioxide into sugars that the plant needs to grow. It is also how plants make oxygen.

### Fruits and Flowers



Through the magic of nature, flowers turn into fruit. Flowers produce **pollen**, a yellowish dust that helps plants grow. Pollen is blown by the wind, or carried on the

antennae of bees into other flowers. This is called **pollination**. When flowers are pollinated they turn into fruit. Fruit acts as a shield, protecting the tree's seeds while they grow. Once the seeds are fully-grown, the fruit is ripe and ready to eat. Different animals like bats, birds and bears, eat these fruits and help spread the seeds to other areas where they can grow into new trees. Some seeds are not protected inside fruits,

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so they find other ways of being spread like being blown in the wind or attaching to fur and clothing.

### **Chocolate and Maple Syrup**

Every day we use many things that come from trees. Fruits and nuts like apples, peaches, plums and 0-5 almonds all come from living trees, as does the cocoa bean that makes chocolate! Living trees also

provide spices like cinnamon, nutmeg and black pepper, and the sap from the maple tree makes maple syrup!

Many medicines come from trees and other plants. As a matter of fact, aspirin comes from the bark of a willow tree. Scientists are still searching for new medicines in trees, which is another reason why it's so important to protect our forests. They could provide us a cure for cancer!

### **Threatened Forests**



While living trees provide us with many things, trees that are cut down also provide us with things. When a tree is logged, or cut down, it is usually made into lumber,

or cut wood, for building homes and furniture. Some trees are **pulped**, or ground up, to make paper products such as office paper, cardboard boxes, magazines and newspapers.

While it is okay to cut down trees for the things we need, often too many trees are cut down in one forest. Clear-cutting is when every tree in an area is cut down, and it destroys that forest and the home of all the wildlife that lived there. Clear-cutting also makes it easier for floods to happen in logged areas, because the tree roots can no longer soak up water when it rains. While some lumber companies replant trees in

areas they have cut, they only replant one or two kinds of trees, which means they are planting a tree farm, or plantation, not a forest. Remember, a forest is more than just trees. It is the collection of thousands of different plant, animal and insect species that have been living there for hundreds and thousands of years. It is possible to cut down trees without clear-cutting an entire area and some lumber companies are starting to do this. One thing we can do to help forests is to use less paper and recycle the paper we do use.

### Let's Make it Tree Free!



Another way we can protect forests is by using other plants instead! For instance, members of the grass family such as bamboo can be used to build homes and make furniture. Bamboo is a plant that grows

very quickly and can be turned into many different forms and materials for building or making floors. We can also use plants like kenaf, hemp, sugarcane, and cotton to make tree-free paper. Farmers around the world can grow these crops to make paper. Farmers can also provide agricultural waste, or farm leftovers, like corn stalks and wheat straw to make tree-free paper. Rather than burning or burying this waste, farmers can sell these plant leftovers so that others can make paper without using trees.

### Web of Life

All of life is connected like the strands of a spider web. If one part of nature is destroyed, other parts will be affected by it. This connection between all V living things is called the web of life. Trees are a very important part of the web of life, so let's do what we can to protect our trees and forests!

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Generating "Right There" Questions: Modeling Phase			
Correct Examples	Incorrect Examples		
• What makes leaves green?	• What products do we get from trees?		
• How are flowers turned into fruit?	<ul> <li>Who depends on tree products to survive?</li> </ul>		
• Why does clear-cutting make it easier for floods to happen?	• How is photosynthesis related to respiration?		

	-	
	-	
g it Together" Questions:		

### Generating "Putting it Together" Questions: Modeling Phase

- · Explain the purpose for generating questions
- o Help you understand what you read
- Help you remember important information about what you read
- Introduce the Level 2, "Putting it Together" question type
  - Questions that can be answered by looking in more than one place in the text.
  - Questions that can be answered in one or more sentences.

### Generating "Putting it Together" Questions: Modeling Phase

- Use a short passage from your text to model how to create a "putting it together" question.
- Read the passage aloud.
- Locate related facts from at least two different places in the text.
- Combine the facts to make a question.
- Show how to put information together to answer the question.

# Level 2—Putting It Together

- Questions can be answered by looking in the text
- Answers require one or more sentences
- To answer the questions, you have to look in more than one place and put information together
  - > Who?
    > Where?
    > What?
    > Why?
    > When?
    > How?

# Level 2—Putting It Together

- Questions can be answered by looking in the text
- Answers require one or more sentences
- To answer the questions, you have to look in more than one place and put information together

≻Who?	> Where?
≻What?	≻Why?
> When?	> How?

## Level 2—Putting It Together

- Questions can be answered by looking in the text
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≻Who?	$\succ$ Where?
≻What?	> Why?
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## Level 2—Putting It Together

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≻Who?	$\succ$ Where?
≻ What?	> Why?
$\succ$ When?	> How?

0 0	t Together" Questions:
Correct Examples	Incorrect Examples
<ul><li>Why is it important to protect forests?</li><li>Describe two different processes that living trees carry out.</li></ul>	<ul><li>Where do tree roots grow?</li><li>What is a forest?</li><li>How are trees different from grasses?</li></ul>
Practice Passage	e: Trees Please!



#### Generating "Making Connections" Questions: Modeling Phase

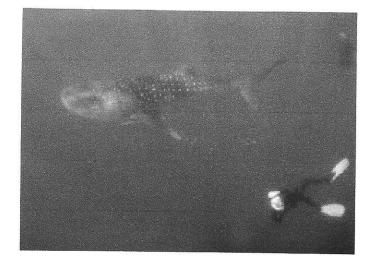
#### • Explain the purpose for generating questions

• Help you understand what you read

Facts About Sharks passage.

- Help you remember important information about what you read
- Introduce the Level 3, "Making Connections" question type
  - Questions that cannot be answered by using text alone.
- Questions that require you to think about what you just read, what you already, and how these ideas relate.

### Facts about Sharks by Susanna Batchelor



My name is Susanna Batchelor and I am a <u>veterinarian</u> from England. I dive with sharks to learn more about them. I have dived with many different types of sharks all over the world.

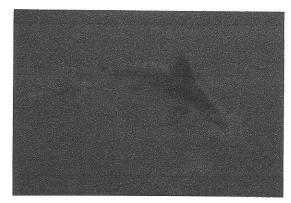
There are about 400 different types of sharks. Many of them are named after the way they look or where they live. For example, the hammerhead shark has a head shaped like a hammer; the whale shark is as big as a whale; and the reef shark lives on coral reefs. Sharks range from a few <u>centimeters</u> to many <u>meters</u> in length. And they eat all sorts of different foods - from tiny <u>plankton</u>, to fish, to larger mammals like seals.

I have collected some interesting facts about two different kinds of sharks - hammerhead sharks and whale sharks.

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### Interesting Facts about <u>Hammerhead Sharks</u>:



1) have a head shaped like a hammer to help it detect <u>electrical signals</u> given off by its <u>prey</u>

2) swing their heads from side to side like a <u>metal detector</u>

3) their eyes and <u>nostrils</u> are at each end of the "hammer"

4) the position of the eyes allows it to look 360° - in a full circle

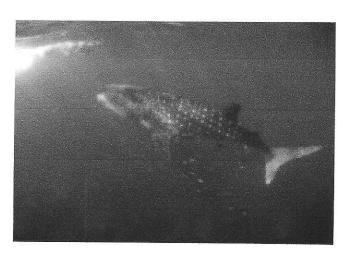
- 5) hunt alone at night
- 6) feed mainly on fish and squid
- 7) grow up to 4 meters long
- 8) get scared by the sound of divers' bubbles
- 9) have been known to eat other sharks

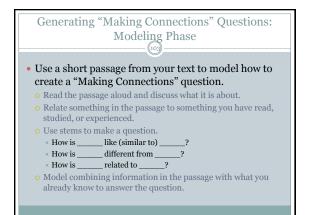
### Interesting Facts about <u>Whale</u> <u>Sharks:</u>

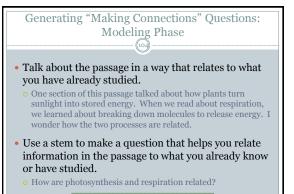
- 1) can grow to 18 meters long
- 2) are the largest fish in the world
- 3) feed on <u>plankton</u> that comes through their <u>massive</u> gills
- have 3,000 tiny teeth but they don't use them for chewing
- 5) are very curious and will often slow down to inspect divers and even follow their bubbles
- make long <u>migrations</u> across the oceans to find food
- 7) can live a long time
- 8) have a pattern of spots on their sides (just behind the gills) like a <u>fingerprint</u> that is <u>unique</u> to each individual and can be used for <u>identification</u>

For more pictures and shark videos, you can go to <u>http://www.childrenoftheearth.org/shark-information-kids/interesting-facts-about-sharks-for-kids.htm</u>

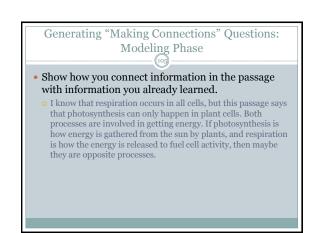
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Practice Passage: Trees Please



# Level 3—Making Connections

- Questions cannot be answered by using text alone
- Answers require you to think about what you just read, what you already know, and how it fits together
  - > How is \_\_\_\_\_ like (similar to) \_\_\_\_\_?
  - > How is \_\_\_\_\_ different from \_\_\_\_ ?
  - > How is \_\_\_\_\_ related to \_\_\_\_\_?

### Level 3—Making Connections

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  - ≻ How is \_\_\_\_\_ related to \_\_\_\_\_?

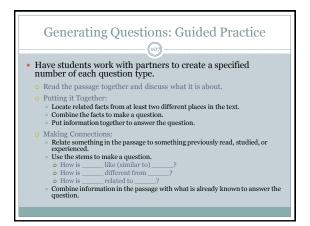
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  - > How is \_\_\_\_\_ related to \_\_\_\_\_?

Modeli	ng Phase
Correct Examples	Incorrect Examples
<ul> <li>How is protecting the forests similar to protecting fresh water sources?</li> <li>What would happen to the forests of the Northeastern US in a prolonged pattern of El Niño?</li> </ul>	<ul> <li>What plants can be used to make tree-free paper?</li> <li>Why is tree bark important?</li> <li>Where is the largest forest in the world?</li> </ul>



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	Level 1: Right There	Level 2: Putting It Together	Level 3: Making Connections.
English language arts	Who is Atticus Finch in To Kill a Mockingbird appointed to defend?	How does Boo Radley show kindness toward Jem and Scout?	How is Atticus Finch similar to an different from the father figure in Much Ado About Nothing?
Mathematics	What information is given in the problem?	What math symbols/language/equations will I need to represent the problem statement?	How do I know if my solution is reasonable?
Science	What is the rate of change of velocity over time?	What are two vector quantities included in Newton's Laws?	How is physics related to other sciences?
Social Studies	When did the Berlin Wall fall?	What two events led to the end of the Cold War?	How was the Cold War different from conventional war?



Using the Generated Questions After Reading

- Foster discussion
- Return to the text multiple times

#### Differentiation:

Scaffolds for Generating Questions

- Break the text into smaller sections at first, but gradually increase the length.
- Provide a suggested number of questions to generate for each section.
- Levels 1 and 2: Provide passages with some facts already underlined.
- Level 3: Indicate what types of prior knowledge would be helpful in making a connection to the passage.
- Share questions and provide positive or corrective feedback.

