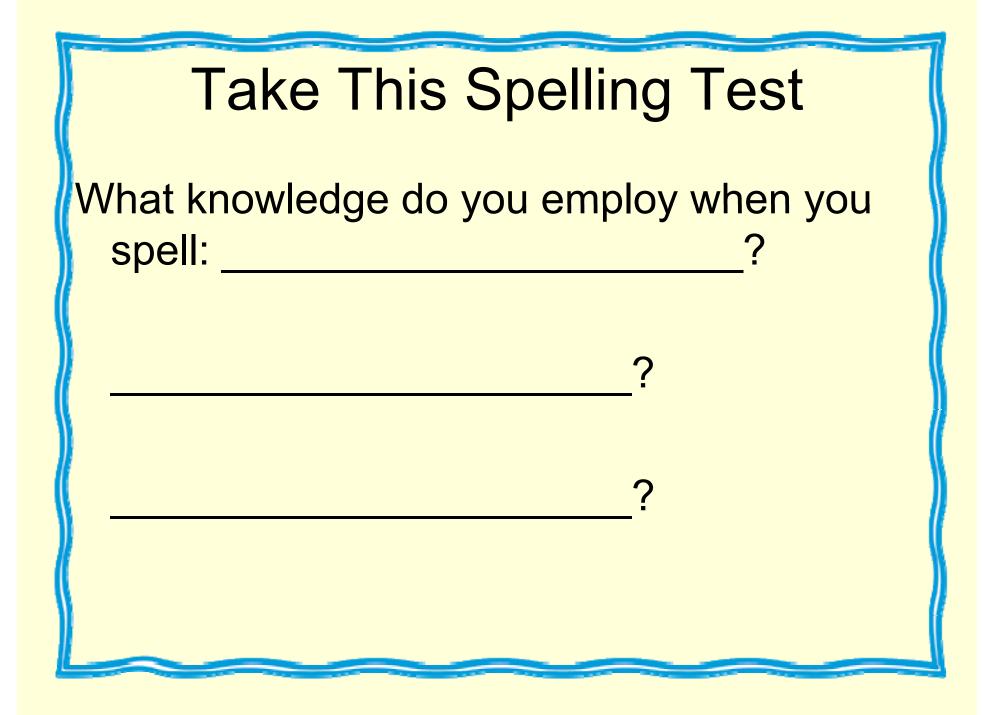
Unveiling the Logic of English Spelling

Louisa C. Moats, Ed.D. VBIDA March, 2009

Why Teach Spelling?

- Better spelling leads to better writing (Berninger and Richards, 2001; Moats and Foorman, 2004; Graham et al.)
- Spelling knowledge facilitates vocabulary and reading (Vellutino et al., 2007, SSSR)
- Spellchecker is insufficient
- Spelling is not learned by reading alone



Research suggests that spelling involves more than rote "visual" (orthographic) memory; those who spell well can think about the internal details of words:

- the sounds (phonology)
- individual sound-symbol correspondences
- letter patterns (orthographic conventions)
- meaningful parts (morphemes)
- what language the word came from
- the meaning of the word in a sentence (Ken Apel, Julie Masterson)

9th grade coil pot Reflection art class The thing I leand about doing this progect is that you shuld not trost any on with your pot. But befor some one droptet it was going fin the only problem was I did not smoth done the in side and outside. I think that it was inportent to wach the move "Maria Mactinez" becouse it mad us have ideys and pought you to finech. The pcople D: we come into the world pottery we are going to leave the earth with pottery? 2). the natave americans us potery for (expression) eksprachen 3). a form of entertain men and was used daly for chores the changes I would do is make it 4 Stand up 1:517

Assessment

 Use a spelling inventory to determine instructional needs

 Use a norm-referenced measure such as the Test of Written Spelling – 4, or the Wide Range Achievement Test to measure relative standing

What Can Be Taught?

- Speech sound segmentation and identity (phoneme awareness)
- 2. Phoneme-grapheme mapping
- 3. Letter sequences, syllable patterns
- 4. Morphology and word origin
- 5. Grammar and usage
- 6. Proofreading, self-correction

The Start Point: Phonological Awareness (PA)						
Phoneme Segmentation						
ice	sigh					
peak	keep					
weight	weight cheese					
song fox						

The Consonant Phonemes

	lips	teeth on lips	between teeth	behind teeth	roof of mouth	back of throat	glottis
stops unvoiced voiced	/p/ /b/			/t/ /d/		/k/ /g/	
nasals	/m/			/n/		/ng/	
fricatives unvoiced voiced		/f/ /v/	/th/ / <u>th</u> /	/s/ /z/	/sh/ /zh/		
affricates unvoiced voiced					/ch/ /j/		
glides unvoiced voiced					/y/	/wh/ /w/	/h/
liquids				/l/ /r/			

Phoneme Substitution

shop /sh/ /ch/ chin /ch/ /f/

them /th/ /h/ shack /sh/ /h/

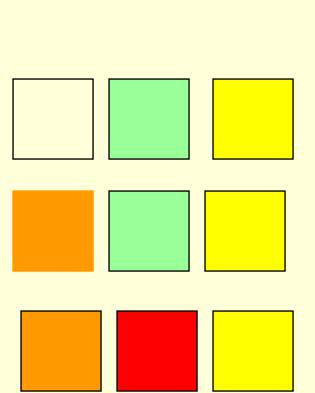
thick /k/ /n/ thus /th/ /f/

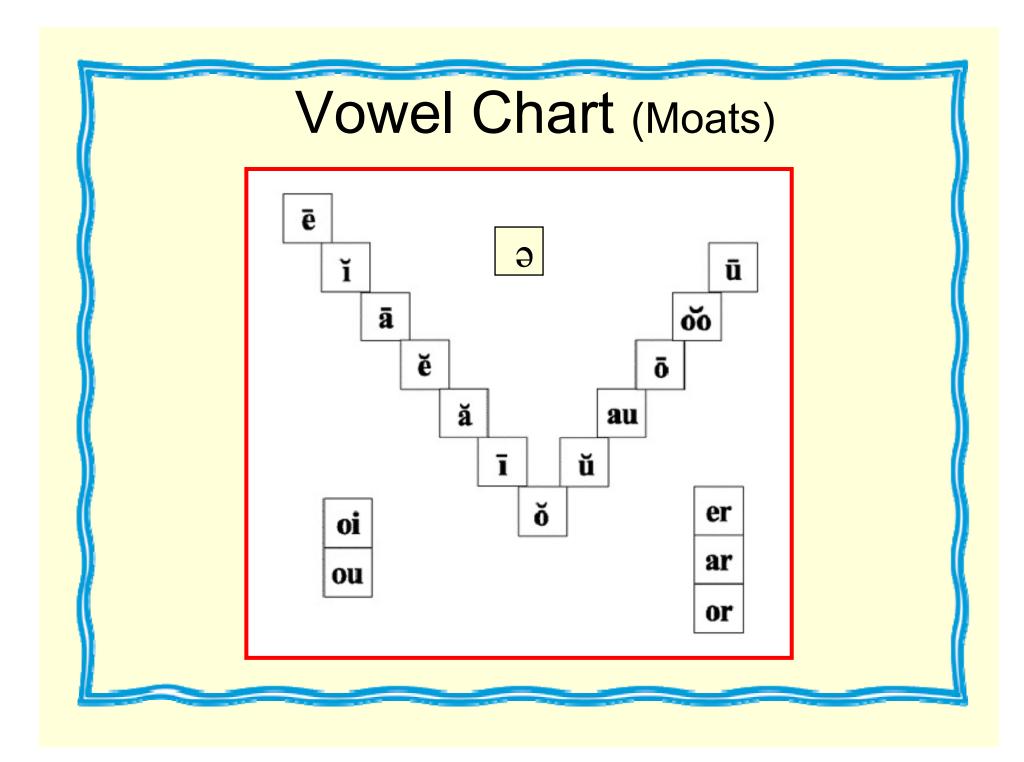
crush /u/ /a/ shack /a/ /o/

thrash /th/ /k/ thank /a/ /i/

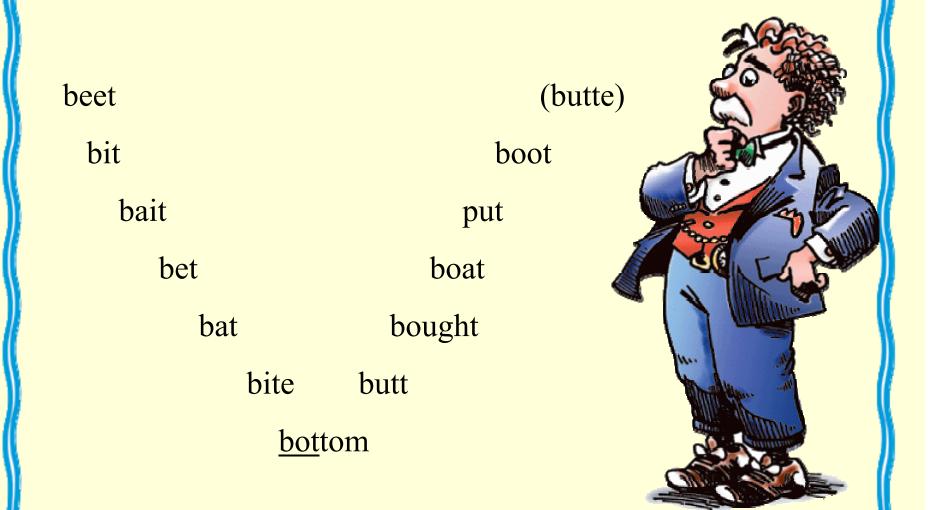
Sound Substitution With Colored Blocks

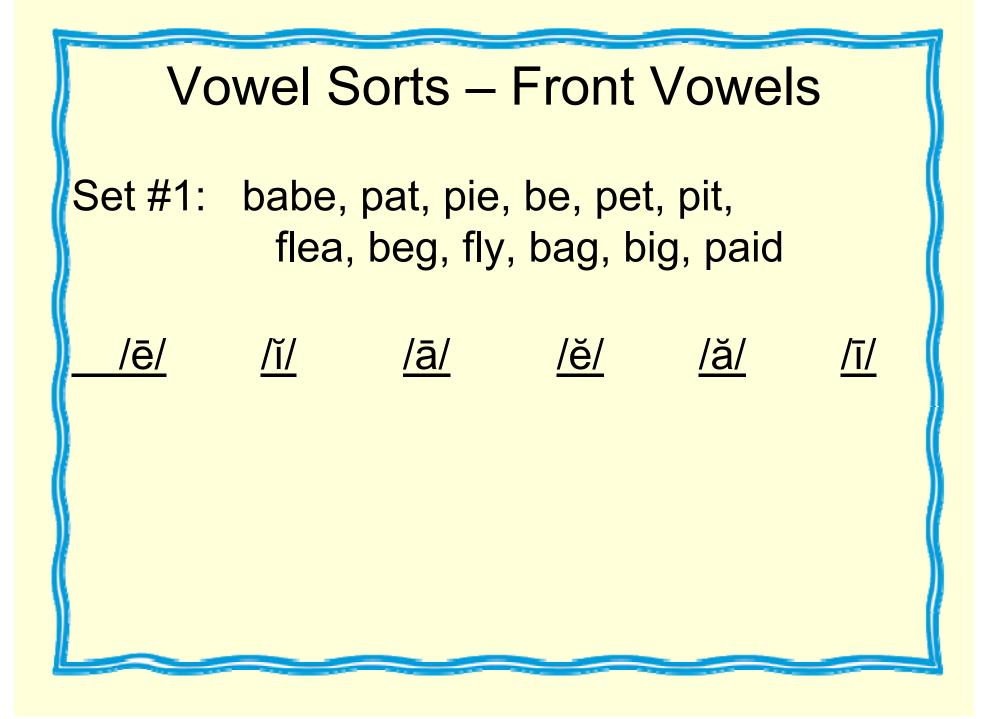
- Show me "shop."
- Now show me "chop."
- Now show me "chip."
- Now show me "chick."

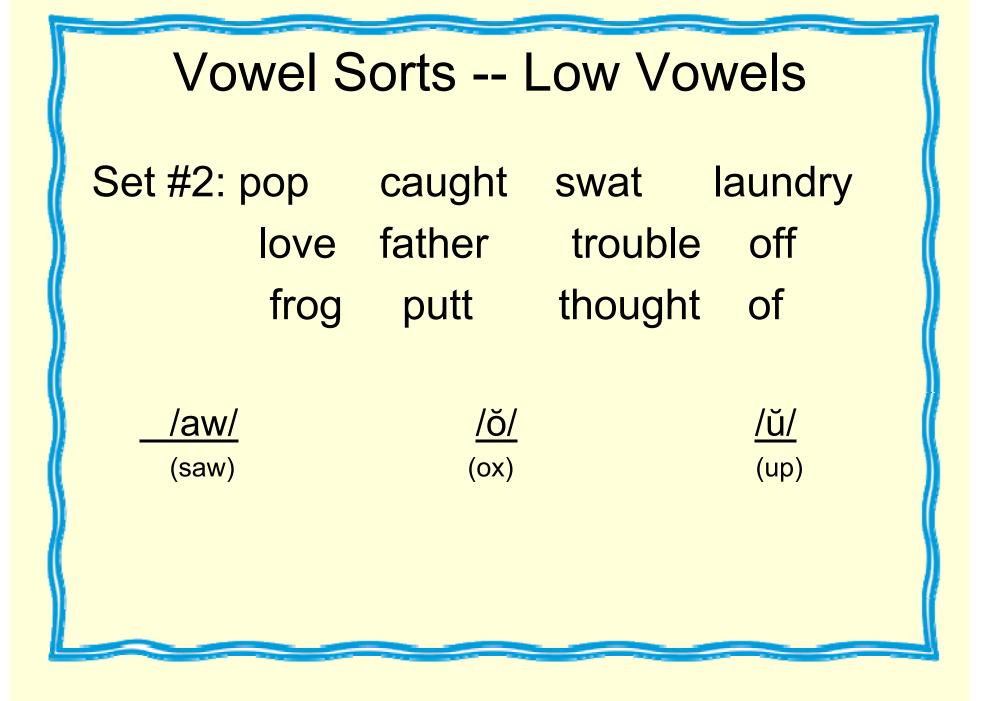




Learning the Vowel Chart



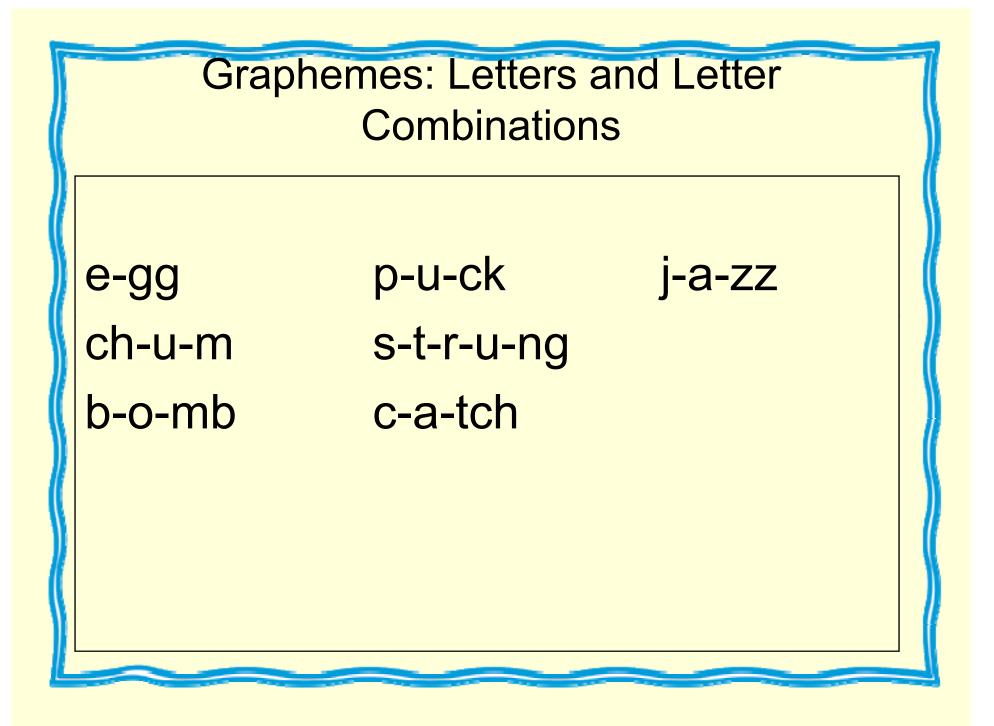




Building Words With Graphemes								
o i ng sh ck II r d m s								
(⁽	 a) Say a word; students build the word. b) Students make as many words as they can, working in teams. 							

Phoneme-Grapheme Mapping

- Use this grid to map phonemes to graphemes.
- Each square is one phoneme.



PGM Procedure (Kathi Grace)

- Always use one sound per box
- Spell words conventionally- no invented spelling
- Students have grid paper, chips and a pencil. In large groups, teachers use an overhead projector, chips, and a marker
- Say the word and have students lay out chips for number of sounds in a word

PGM Procedure (Grace, 2006)

- Then, box-by-box, write in graphemes with students, naming each letter aloud
- Ask students: What sounds do you hear?
- Then ask: What letters do you write?
- As they name the letter(s) for each sound, they write them in each box.
- Tricky patterns: digraphs (one box), blends (two boxes), qu (two boxes, close together) and x (across two boxes)
- Silent-e is mapped as having the silent-e in the corner of the box with the final consonant, as it has no sound.

Practice, Phoneme-Grapheme Mapping

Map these words:

- mop
- bugs
- shut
- flash
- wax
- brag

Map these words:

- smoke
- which
- hang
- quit
- ring
- cake

Word Sorting: Discovery of a "Choice" Pattern

- Why? To focus attention on both pattern and position of the sound-spelling
- To engage learners
- To provide practice
- To encourage inductive reasoning

Examples of Grapheme Patterns ("Choice" Spellings)

<u>c</u>abbage <u>k</u>itten pa<u>ck</u>age s<u>ch</u>ool question

/k/

s<u>ph</u>ere cou<u>gh</u> flu<u>ff</u> foggy

/f/

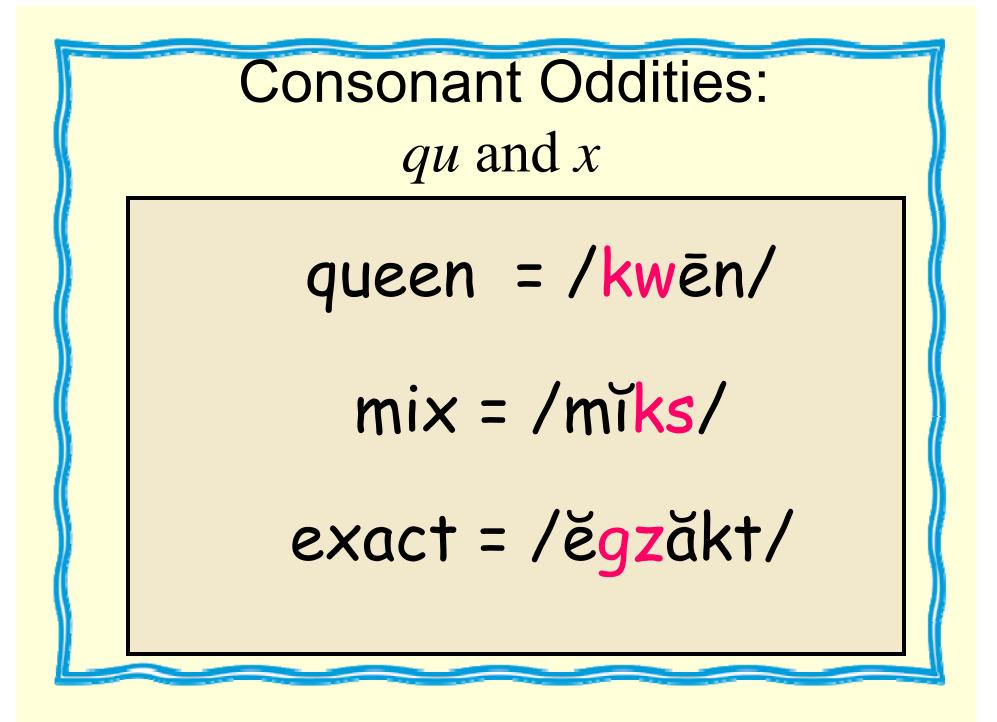
Word Sorting to Understand a Pattern: /k/, /c/, /ck/

cactus cost cusp kite kennel skill napkin stock fleck buckskin blacktop

milk stink jerk

The -ff, -II, -ss Doubling Rule

W					
<u>-ff</u>		<u>-11</u>		-SS	
puff		will		dress	
stuff		spell		grass	
gruff		doll		fuss	Exceptions:
off		still		miss	yes bus
stiff		fell		class	gas
fluff	Exceptions:	shell	Exceptions:	floss	Words ending in /z/
whiff	if of	dull	gal pal	press	(is, has, his,)



A Spelling Pattern: "Huge Smudge"

Final spellings for /j/- 'ge' or 'dge'

dodgejudgevergevillagestageindulgepledgepagemessagebadgefringedamage



Homophone Home

Thunker herd a noise like a grown coming from hi above hymn. He guest that it was coming from the beach tree buy his feat. Thunker staired upward wear he saw something with black fir. "It's a bare up their!" Thunker balled.

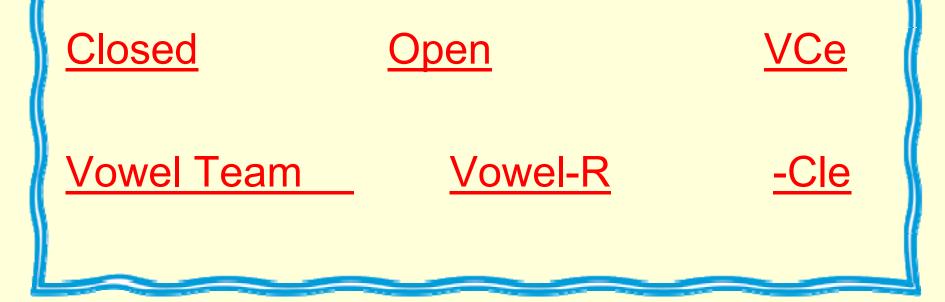
Now, Thunker had never scene a bare be four and he didn't no what two dew. In his panic, Thunker tried to flea, butt he tripped over a tree route. He landed on his knows which caused him grate pain.

Syntax: Split Personality Words
Sponge can be a noun or verb…
The sponge
Every day, we sponge

Syllable Spelling Conventions							
Closed	Open	VCe					
dap ma trite							
con wri bune							
bot	bu	tane					
Vowel Team	Vowel-R	-Cle					
tain var -gle							
geal	ter	-tle					
rain	dor	-ple					

Assorted Syllables

cab ace wait jerk table baby me path pipe sea idle firm sit rope go boat gurgle crush oil tart unit cute ripple



Syllable Combining							
plete	pre	sa	Sa	al			
vor	con	-у	V	ew			
com	in		ute	geal			

What Are the Ending Rules? ("Silent E Meets Its End") 1) Silent –e 2) Doubling

use + ed = _____ drip + ing = _____ waste + ful = ____ mat + ed = _____ smoke + less = ____ prep + ed=_____ hope + ed = _____ fill + ed = _____ mope + ing = ____host + ing = _____

Proofreading for Endings

The Sand Which Was There

Thunker was cuting a huge peper and smokeed bovine snout sandwich in half when his cell phone starteed ringging. Thunker startted taping his head, hopping to remember where he last put the phone. Suddennly, Thunker droped his sandwich and went runing upstairs.

Speed Read: Oyster Hoister

Roy Doyle was an oyster hoister employed by the Royal Oyster and Cracker Crumb Company. In his oilcloth slicker and soiled boots, Doyle toiled in the moist mud flats of Troy. There he foisted himself upon countless oysters that he annoyed and destroyed as he hoisted them from their warm and oozy beds. Doyle enjoyed hoisting oysters from the moist mud of Troy.

Review: Spelling Lesson Routines

- Phonemic Awareness
- Concept Study
- Guided Word Sorts, Timed Sorts
- Dictation (Spelling in Context)
- Speed Drills and Proofreading (Orthographic Attention Enhancement!)
- Writing!

Morphology Instruction For Older Students (Grades 4+)

What's a morpheme?

A meaningful word part, usually a prefix, root, or suffix, or parts of a compound.

non re <u>tract</u> able sub <u>tract</u> ing at <u>tract</u> ion tele con <u>fer</u> enc(e) es un dif <u>fer</u> ent iat(e) ed trans <u>fer</u>(r) able

Historical Layers of English

	Morpheme Structure
Anglo-Saxon	Base words (<i>earth, moon, star, sun</i>) Compounds (<i>nightcrawler</i>) Inflections (<i>dark<u>est;</u> dark<u>er;</u> park<u>ed;</u> park<u>ing</u>) Suffixes (<i>neighbor<u>hood;</u> hap<u>less</u>)</i></i>
	Sumxes (neignbor <u>noou</u> , nap <u>iess</u>)
Latin	Prefixes (peri; anti; pro; de; sub) Roots (cred; fect; vis) Suffixes (stimul <u>us; perilous; trivial</u>) Latin plurals (alumni; data; vertebrae)
Greek	Combining forms (<i>neuro-bio-logic-al</i>) Plurals (<i>crises; metamorphoses</i>)

Two Types of Suffixes

inflections:

- -learned early
- -do not change a word's part of speech
- -a fixed set or class of words
- -change tense, number, and degree (-ed, -s, -er)

derivations:

-added to a root (usually from Latin)

–mark part of speech or grammatical role (compare, comparison, comparative, comparatively)

Spelling Sample – Grade 3

200 mouker raners Sh : 1C have mon ain 7.0 100 MpP rane nei bø 5 10 have are 0 000 and C (A An) b-el CAN occan se they an have collend rent nes ave au S

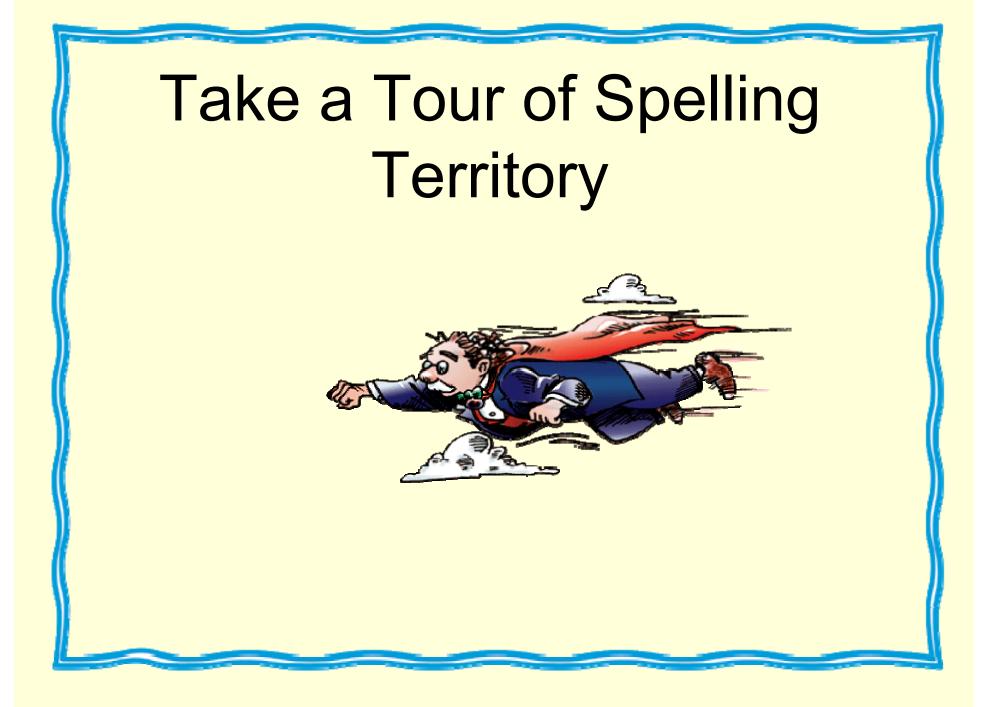
Past Tense Inflections							
	/d/	/t/	/əd/	New Syllable ?			
moved							
wowed							
stalked							
hissed							
shifted							
mended							

Dictation Exercises

Provide practice using study words, irregular words, and review words.

Frequent, distributed practice is best (several sentences a day).

Immediately correct dictated sentences together.



References

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