Unveiling the Logic of English Spelling

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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

Take This Spelling Test

What knowledge do you employ when you spell:

?

_____?

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 art Class

coil pot Reflection

The thing I lessed about doing this project 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 pousht you to finech.

The people

Diwe come into the world pottery we are going to leave the earth with pottery?

2). the natave americans as potery for expression)

3) a form of entertain ment and was used daly for choses

the changes I would do is make it





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	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/



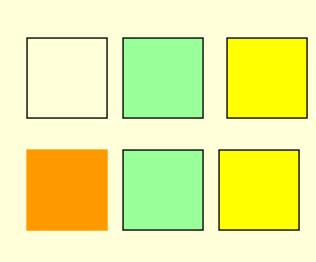
Sound Substitution With Colored Blocks

Show me "shop."

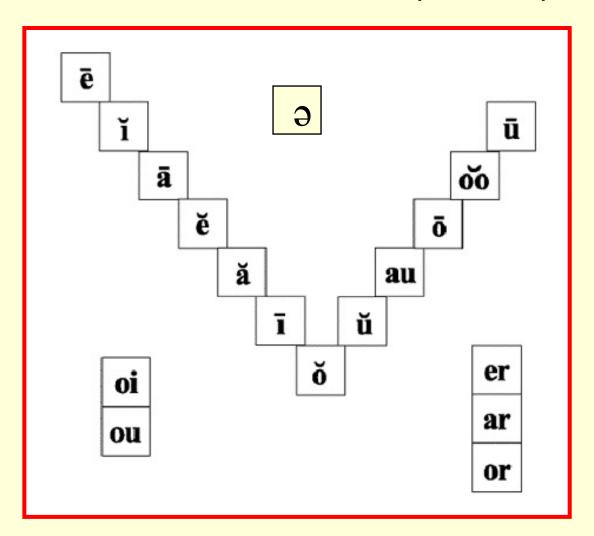
Now show me "chop."

Now show me "chip."

Now show me "chick."



Vowel Chart (Moats)



Learning the Vowel Chart

beet (butte)
bit boot

bait put

bet boat

bat bought

bite butt

bottom



Vowel Sorts – Front Vowels

Set #1: babe, pat, pie, be, pet, pit, flea, beg, fly, bag, big, paid

<u>/ē/ /ĭ/ /ā/ /ĕ/ /ă/ /ī/</u>

Vowel Sorts -- Low Vowels

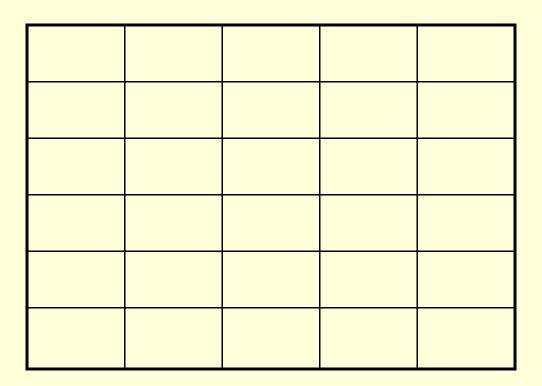
Set #2: pop caught swat laundry love father trouble off frog putt thought of

Building Words With Graphemes

0	i	ng	sh	ck	Ш	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.

Graphemes: Letters and Letter Combinations

e-gg p-u-ck j-a-zz

ch-u-m s-t-r-u-ng

b-o-mb c-a-tch

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)

/k/

/f/

cabbage

s<u>ph</u>ere

kitten

cough

package

fluff

school

foggy

question

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

cactus stock

cost fleck

cusp buckskin

blacktop

kite

kennel milk

skill stink

napkin jerk

The -ff, -II, -ss Doubling Rule

<u>-ff</u> puff stuff gruff off stiff fluff whiff

Exceptions:

if

of

<u>-II</u> will spell doll still fell shell dull

Exceptions: gal pal

dress grass fuss miss class floss press

<u>-SS</u>

Exceptions: yes bus gas Words ending in/z/(is, has, his, ...)

Consonant Oddities:

qu and x

queen = /kwēn/

mix = /miks/

exact = /ĕgzăkt/

A Spelling Pattern: "Huge Smudge"

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

dodge judge verge

village stage indulge

pledge page message

badge fringe damage

Homophones Need a Meaningful Context

Using their, they're, there...

"I†	late agai	n, I will e	eat my	/ hat,´
said Ethyl.	•			
When we go	ot	late, we	saw l	Ethyl
eating her	hat.			
" neve	r going h	ome to _	(own
house unle	ess we d	rive then	n	" •

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

<u>Closed</u> <u>Open</u> <u>VCe</u>

Vowel Team Vowel-R -Cle

Syllable Combining

plete pre sa sal

vor con -y view

com in ute geal

What Are the Ending Rules? ("Silent E Meets Its End")

1) Silent –e 2) Doubling

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use + ed = _____ drip + ing = _____

waste + ful = ____ mat + ed = ____

smoke + less = ____ prep + ed=____

hope + ed = ____ fill + ed = ____

mope + ing = host + ing =
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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 tract able

sub tract ing

at tract ion

tele con fer enc(e) es

un dif fer ent iat(e) ed

trans fer(r) able

Historical Layers of English

	Morpheme Structure
Anglo-Saxon	Base words (earth, moon, star, sun) Compounds (nightcrawler) Inflections (darkest; darker; parked; parking) Suffixes (neighborhood; hapless)
Latin	Prefixes (peri; anti; pro; de; sub) Roots (cred; fect; vis) Suffixes (stimulus; perilous; trivial) Latin plurals (alumni; data; vertebrae)
Greek	Combining forms (neuro-bio-logic-al) Plurals (crises; metamorphoses)

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

A monter in a 200 has
travers they have to share
a wage with mether mank
A monky in a rainforcest does
not need a coge they
do not meed traners
They are alite be cause
they are both a monky
and living and have tals and
have a body and are cute.
And they can bee differen
stin because they can have
different collera line and does
not have clause.

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.

Take a Tour of Spelling Territory



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