



Structured Literacy Instruction

• Explicit

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- Systematic
- Rule-based
- What are the rules of the English orthographic system?
- We have to know what they are if we are to teach them.



MORPHO-PHONEMIC Language

English spelling is a highly regular, *ortho*graphic system based in a *morpho*phonemic spelling system that "takes precedence over lettersound simplicity" (Venetzky 1999, 9).

Morphological Awareness makes a unique contribution to reading and writing—Ken Apel

Does this sound familiar?

"Sound it out" I'm |^Ibɛdɪŋ | it does. (American Heritage Dictionary)

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|^Ifæm(ə)li| = *<famly> or <fambly> |^Iaɪ(ə)rn| or /orn/ = *<iorn> |deɪ| = *<daey>

We Say Things Every Which Way,

- allophonic variation
- --AND, we often don't say things the way we think we do.
- Ticksin frens say, "Ah dint harya, but I kin far ya."

NOT Going to wander into wild old words

- Phonology and the IPA
- Phones, phonemes
- Allophones, accents and dialects
- The Great Vowel Shift
- Vowel Diphthongs & Glides:
 /eɪ/ /aɪ/ /doʊ/ /ju/
- The Schwa Ə

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ortho = correct, regular graphy = writing

Instruction that

- Emphasizes and exposes the regularities
- Rule Based
- Structural regularities

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NOT a Rule

"<i> before <e>..."

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- "except after <c>,
- "or when it sounds like /ei/ (aka \bar{a}) as in neighbor and weigh"
- Thirty-three violations of this "rule," including <either> and <height>.

Now, that is one weird "rule," and one that we might not want to seize hold of.

SPELLING is REGULAR; PRONUNCIATION VARIES X sight words X red words X red words X irregular words X misbehaving words How do words behave?

| Teach REGULARITIES: Structural Matrix | | | |
|--|------|------|--|
| • say | рау | lay | |
| • says | pays | lays | |
| • said | paid | laid | |
| –(why don't we say "sayed") | | | |
| | | | |
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Five Principles

- 1. Elements (morphemes) are stable --they never cross morphemic boundaries (joints) and never change their spelling . . .
- 2. Word families share common spellings
- 3. Three changes at the suffix joints --highly regular and rule-driven.

- 4. Stable graphemes in predictable patterns
- 5. Words with similar meaning will have similar spelling

Five Practices

- 1. Teach morphemes (base, affix, connectives) using words sums
- 2. Teach Word Families using matrices.
- 3. Teach the "joints" using the flow chart.
- 4. Teach graphemes and predictable graphotactics.

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5. Teach structural similarities, regardless of pronunciation.







MORPHEMES: base, affix, connective vowel (p 3) THE WORD SUM

prefix + BASE + suffix

Words are built from the BASE outwards Words with a common BASE are in the same FAMILY

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| Practice 1: Teach Word S | ums |
|--|-----------|
| prefix + BASE + suffix => spelling (hand "gets re-written as" | dout p 4) |
| Announce Spelling by LETTER NAME, | Why? |
| Pause at Joints between morphemes, | Why? |
| "Gets Re-written as" | Why? |
| in + struct + ion => instruction | |
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THE WORD SUM

- foot + ball => football
- note + book => notebook
- house + boat =>
- boat + house =>

- What do they mean?
- Why is the not pronounced $/\delta$ or $/\theta$

THE WORD SUM

<lead> O.E. free base "to direct or be in charge of" lead + s => lead + ing => lead + er => mis + lead => leader + ship =>

stem vs. base

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| Bases | | | |
|--|---|---|--|
| <u>free</u> <lead> <cheer></cheer></lead> | <u>bound</u> <struct> <ject></ject></struct> | <u>twin</u> <vert verse=""> <duct duce=""></duct></vert> | |
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How do you spell...

- |ın^lstrək∫(ə)n|
- |^Istrək(t)∫ər|

- Are <tion> and <ture> suffixes?
- pressure vs. assure

ACTIVITIES: Be a Word Nerd or Scientist, a Spelling Detective, a Linguist

• PROVE IT!

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- Linguistics is a science
- Orthography is the field
- $-\ensuremath{\,{\rm The}}$ body of evidence is the written record
- Dictionaries are our main secondary resource
 Note: They can be wrong! (see <-tion> above)

PROVE IT!

One great resource: Etymonline: An Online Etymology Dictionary By Douglas Harper

http://www.etymonline.com/

Minimal pairs:

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- hatched, hatchet, hatcheck
- moth, mother (thanks Julie Wolter W5)
- villa, village, villain (no -ge or -in suffixes)

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Etymology and Morphology

Hypothesis: <villa> + <-in>, + <-ge> Morphological proof: No <-ge> suffix

Hypothesis: <vill> or <ville> + -a, -ain, -age?

Etymological proof: Etymon (Root vs. Base) L. villa/ O.F. villain & village villas / villains, villainous / villager

silly/salute http://www.etymonline.com/

Spelling Error Analysis

- "visible" as "visble"-- PA (syllable segmentation) deficit;
- "visible" as "vesible" --PA (sound discrimination) deficit.

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- "visible" as "visibl"--orthographic knowledge deficit,
- "visible" as "visable"--deficit in storage and retrieval of the orthographic word image (MOI) in long-term memory.







Word Study, Vocabulary, and Etymologies

- Spelling is for words you already know
- No one needs to spell a word they don't know the meaning of.
- Etymology and word study can help develop – interest in words
 - vocabulary

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How does this inform and improve our Instruction?

- Regularity and Predictability
- Practice building words—in both directions – Give sum and ask for spelling
 - Give spelling and ask for sum
- Lessons and Units that have stable spelling patterns
- Morphemes matter—even in decoding





Teach them to spell words they already know NOT Ad hoc

- New GSL <u>http://www.newgeneralservicelist.org/</u>
 3000 words, 92% of written words
- New AWL

- http://www.newgeneralservicelist.org/nawl-new-academic-word-list/
- 83% of corpus of 243 M words
- Arrange by *structure:* morphemes and graphemes

| Practice 2: Teach word families using a matrix | | | |
|--|-----------------------------|------|--------|
| | prefix | base | suffix |
| | | | |
| | | | |
| | | | |
| | | | |
| http://www.neilramsden.co.uk/spelling/matrix/temp/index.html Handout p 5 & 6 answers p 7 | | | |
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Find the Common Base

| • lead | discover | | |
|---------------------------------------|----------------|--|--|
| • plead | discount | | |
| mislead | coverage | | |
| leader | counter | | |
| | | | |
| Challenge: leaden | discus/discuss | | |
| | | | |
| Great Resource: | | | |
| Teaching How the Written Word Works | | | |
| by Peter Bowers | | | |
| | | | |
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Two Great Tools

• The Word Searcher (see Handout p. 16) http://www.neilramsden.co.uk/spelling/searcher/index.html

• The Mini-Matrix Maker

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http://www.neilramsden.co.uk/spelling/matrix/temp/ index.html





How can this inform their practice?

- |_Ikampə^Itı∫(ə)n| = *<computishun>
- competition = the stem is compete
- Relative is competitor

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How Can this Inform our Instruction?

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- Give a spelling test with just one base
- Give them a matrix and ask them to spell as many words as they can
- Give them a word list and have them create a matrix
- What else could you do with this?

Principle 3: Three Regular Suffix Rules

1. Drop final –e

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- 2. Final <y> changes to <i>
- 3. Final consonant doubles

Teach as Suffixing Rules

Drop single, final, non-syllabic <e> before a <u>vowel</u> suffix.
 Ex. sham∉ +-ing → shaming but sham∉ +-ful → shameful
 Change <y> to <i> ofter a C when adding <u>any</u> suffix --except i-suffixes
 Ex. bur_y + -al → burial but bury +-ing → burying
 Double final consonant in stressed V-C base when adding a <u>vowel</u> suffix (1-1-1 rule)
 Ex. defer(r) + -ed → deferred but defer +-ment → deferment



Vowel Suffix vs. Consonant Suffix

- move + s => moves
- mov\u00c8 + ing => moves
 announce "no <e>"
- mov∉ + ed => moved
- move + ment => movement

How to Announce the Changes

- happ_yⁱ + ness => happiness
 announce as "y change to I"
- hop(p) + ing => hopping
 "double p"
- hop# + ing

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– "no e"

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=> hopefully?

HAPPINESS is a well-spelled word!

- <happy> <unhappy>
- <happiness> <happily>
- <happen> <happened> What is the "root" of happiness? <hap> "event, occurrence"

How does this improve instruction?

- Breaks it down into simple steps
- Reveals patterns

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- Introduce one or two concepts at a time
- Practice builds confidence

See Handout p 10 & 11 for sample exercises

Principle 4: Spellings are created from Graphemes, MORE SO than Letters (alone)

| SOUND | <u>SYMBOL</u> |
|------------------------|---------------|
| oral | visual |
| reading | writing |
| decoding | encoding |
| | |
| phone | letter |
| phoneme | grapheme |
| word (or "pronounced") | spelling |
| | |

Words that mean similar things will be spelled similarly

REGARDLESS of PRONUNCIATION

height

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weight

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SPELLED the same, MEAN the same, PRONOUNCED differently

Words that mean similar things will be spelled similarly

- he
- she
- they
- them

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SPELLED the same, Mean the same, PRONOUNCED differently

Not only a morpheme level, but also at grapheme level

Even graphemes can have families

- tw: <u>tw</u>o, <u>tw</u>in, <u>tw</u>ice, be<u>tw</u>een
- wr: <u>wr</u>ist, <u>wr</u>ing, <u>wr</u>iggle, <u>wr</u>estle

PRACTICE 4: Teach STRUCTURAL Similarities

• here

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- there
- where
- ere

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"There's a here in there and everywhere." SPELLED the same, MEAN the same, PRONOUNCED differently

| • be | do | go |
|--|-------|-------|
| being | doing | going |
| • been | done | gone |
| • | does | goes |
| Why not <be< td=""><td>ne>?</td><td></td></be<> | ne>? | |



Practice 5: Teach graphemes, not letters (alone) (handout p 12)

- A grapheme is a 1-, 2-, or 3-letter string that represents a phoneme
- Almost all of the phonemes in English have multiple graphemes—and we have more digraphs than letters!
- Teach Graphotactics: frequencies and patterns
- Teach position: initial, medial, final

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| | | | bread, table, rib rubber |
|-----------|-----|-----|-----------------------------|
| | m,f | 11 | doubt |
| <mb></mb> | f | 11 | lamb, bomb |
| | or | /b/ | bombardment |
| | | | |
| | | | N - |



<ea>

• When you are teaching /ē/,

"The digraph <*ea>* sometimes is pronounced (or represents) /ē/."

When teaching /ĕ/,

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"The digraph <*ea>* sometimes is pronounced (or represents) /ē/."

 When teaching /ā/, "occasionally, the digraph <ea> is pronounced (or represents) /ā/." (9)

TEACH Digraphs and Trigraphs as one string (see Farrell T4) • ch sh th qu • ai ea oa • ck tch ugh











Find first vowel, has to be one letter between.

- ba k "back" /bæk/
- be k "beak" /bik/
- ba k "bank" /baŋk/

- Differentiated spelling tests
- (Same for <ch>/<tch> and <ge>/<dge>)

Struct + ur∉ + ed Liter + acy In + struct + ion

Structural Regularities

- Complex but NOT crazy (craz∉ + -y)
- Spelling highlights structural similarities between similar words whether we pronounce them the same or not.
- Built from elements that *never change* - Except under strict, rule-bound conditions

Acknowledgements

Real Spelling

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- http://www.realspelling.fr/Welcome_to_Real_Spelling/Choose-New.html
- Gina Cook at the LEX (Linguist-Educators Exchange)
 http://linguisteducatorexchange.com
- Pete Bowers of The WordWorks Literacy Centre
- http://www.wordworkskingston.com/WordWorks/Home.html
- Douglas Harper of Etymonline
- <u>http://www.etymonline.com/</u>

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- <u>http://www.neilramsden.co.uk/spelling/index.html</u>

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Unlocking Literacy: Effective Decoding & Spelling Instruction

• Jan Wasowicz Spell-Linksand Spelltalk ListServ http://www.learningbydesign.com/dr.ian-wasowicz.html





