

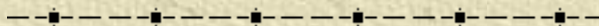


Orthography
Why Should I Care About Spelling?

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Decoding Dyslexia

October 2015



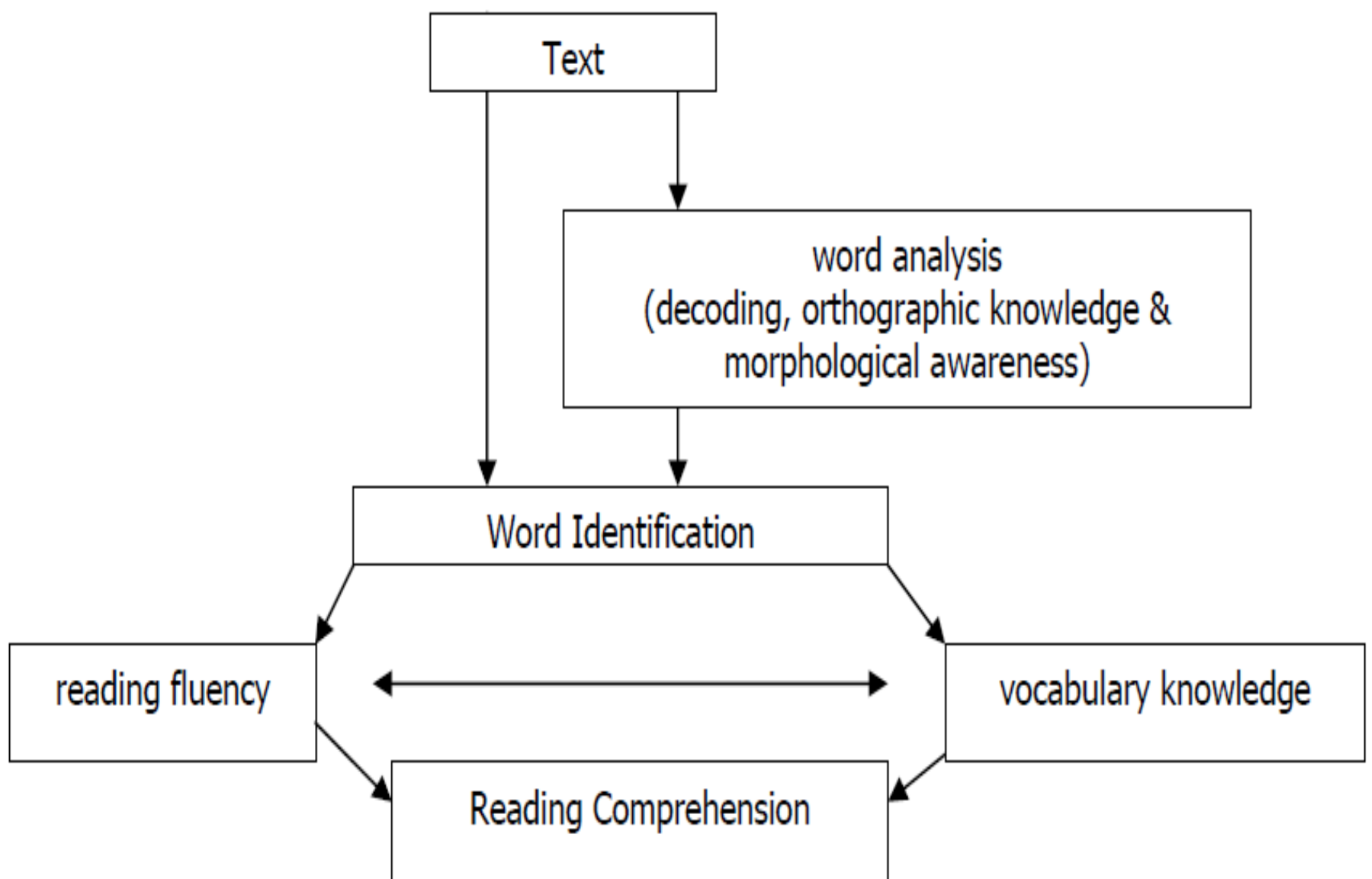


Figure 4. Researcher-designed model of the process of comprehending text.

Purposes of spelling

✦ Aid in pronunciation

✦ Facilitate understanding

– Connections to other words

– Connections to classical roots

– Some connections obscure today

✦ Sometimes these purposes conflict!

– know

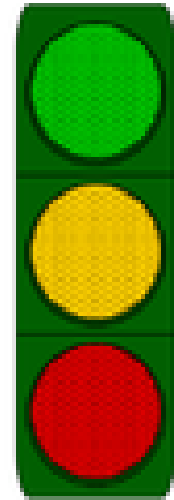
– Two

Spelling Knowledge Involves

- ✦ Phonemic Awareness
- ✦ Orthographic Knowledge
- ✦ Etymological Knowledge
- ✦ Semantic Knowledge
- ✦ Morphological Knowledge

Spelling Knowledge

- ✦ Letter names and sounds
- ✦ Words with 1-1 sound/symbol correspondence
- ✦ Words with sounds that can be spelled more than one way
- ✦ Words with affixes
- ✦ Words that change when affixes are added



Green-Flag Words

✦ Explicit phoneme-grapheme mapping

- 44 sounds
- 26 letters

Letters that have 1-1 correspondences

b, d, f, j, k, l, m, n, p, q, r, v, w, z

At least 20 phonemes are 90% predictable in their spelling (10 others are 80%)

Keywords unlock the sound – non example:

<http://eida.org/are-these-pictures-perfect/>

But what about...

e i g h t

eight

eigh-t

Red Flag Words

- ✦ Non-phonetic words or those that contain orthographic patterns not yet taught
 - Fry's list
 - Anglo-Saxon in origin (mostly)...or French
 - Most Anglo-Saxon silent letters were originally pronounced
 - night, would, comb
 - Many have an interesting story!
 - ghost

Sound/symbol mapping

t	o	p	
sh	i	f	t
c	r	a	sh
ou	ch		
s	t	i	ck

Yellow-Flag Words

- ✦ Many sounds can be spelled more than one way
 - Yellow cards for consonants
 - Yellow cards for vowels
- ✦ How do students know which to use?
 - Location within words
 - Knowledge of word relationships
 - Knowledge of word origins & history

Other conventions

- ✦ Digraphs & silent letters (kn, wh, sh, mb)
- ✦ Word-ending digraphs & trigraphs
 - ck, tch, dge
- ✦ Soft c & g
- ✦ Interesting e (curse, moose, mouse, have, etc.)
- ✦ Words don't end in v
- ✦ Never double v or x
- ✦ FLOSS Rule (Buzz off Miss Pill)

Sort it out!

ge	dge		ch	tch
rage	dodge		bunch	pitch
hinge	ridge		pinch	hatch
age	bridge		crunch	catch
change	lodge		couch	crutch
cage	badge		drench	ditch
huge	hedge		pouch	batch
barge	fudge		belch	switch

Content words must have at least 3 letters

✦ When a content word and a function word are homophones, one more letter is used for the content word.

in	for	by	to	or	but	be	we
inn	fore	bye	too	ore	butt	bee	wee
		buy		oar			

This explains *ie* rather than *y* in *lie, die, vie, tie*

The 6 Types of Syllables

- | | | | |
|----|-----------------------|------|-----------------------|
| 1. | closed | vc | <i>ca<u>t</u></i> |
| 2. | open | cv | <i>he<u></u></i> |
| 3. | silent e | vce | <i>sa<u>fe</u></i> |
| 4. | r controlled | vr | <i>sta<u>r</u></i> |
| 5. | vowel team | vv | <i>so<u>on</u></i> |
| 6. | final stable syllable | [cle | <i>mu<u>z</u>[zle</i> |

Syllable division rules

✦ Most Common: Between 2 consonants

– vc/cv ban/dit

✦ Open Syllable: After the vowel

– v/cv o/pen

✦ Closed Syllable: After the consonant

– vc/v cab/in

✦ Least Common: Between the vowels

– v/v po/em

So that's why...

hopping

hoping

bubble

bugle

Polish

polish

Spelling rules for adding affixes

Doubling Rule

b.w. $vc' + v$ suffix $\text{run} + \text{er} = \text{runner}$

Dropping Rule

b.w. $e + v$ suffix $\text{save} + \text{ing} = \text{saving}$

Changing Rule

b.w. $cy + \text{non-}i$ suffix $\text{carry} + \text{ing} = \text{carrying}$

$\text{happy} + \text{ness} = \text{happiness}$

b.w. $vy + \text{any}$ suffix $\text{joy} + \text{ful} = \text{joyful}$

Anglo-Saxon Influences on English Orthography

- ✦ Hearth words
- ✦ Closed syllables -- bat
- ✦ Open syllables -- baby
- ✦ Silent-e syllables – made
- ✦ Vowel teams -- maid
- ✦ R-controlled syllables – barn
- ✦ Consonant-le syllables – tumble
- ✦ Compound words – bookshelf
- ✦ Basic suffixes – ed, like, hood
- ✦ Prefixes – awake, twilight

French Influences on English Orthography

- * i as /e/ -- chic, elite, marine, machine, limousine
- * ch as /sh/ -- chef, parachute, pistachio, charade,
- * qu & que as /k/ -- antique, unique, mosquito
- * our as /er/ -- courage, tournament, journal
- * eau as /o/ -- bureau, beau
- * oi/oy – royal, enjoy, turquoise, voyage, gargoyle
- * ee as /a/ -- matinee, soiree, melee
- * age as /j/ -- damage, salvage, marriage, village
- * ge as /zh/ -- collage, garage, camouflage, rouge, beige
- * ou as /oo/ -- soup, group, route, cougar
- * et, ez, and é as /a/ -- ballet, buffet, beret, bouquet
- * silent h – honor, herb

Most common suffixes in English

Rank	suffix	Percentage of words with suffixes
1	s, es	31
2	ed	20
3	ing	14
4	ly	7
5	er, or (agentive)	4
6	ion, tion, ation, ition	4
7	ible, able	2
8	al, ial	1
9	y	1
10	ness	1

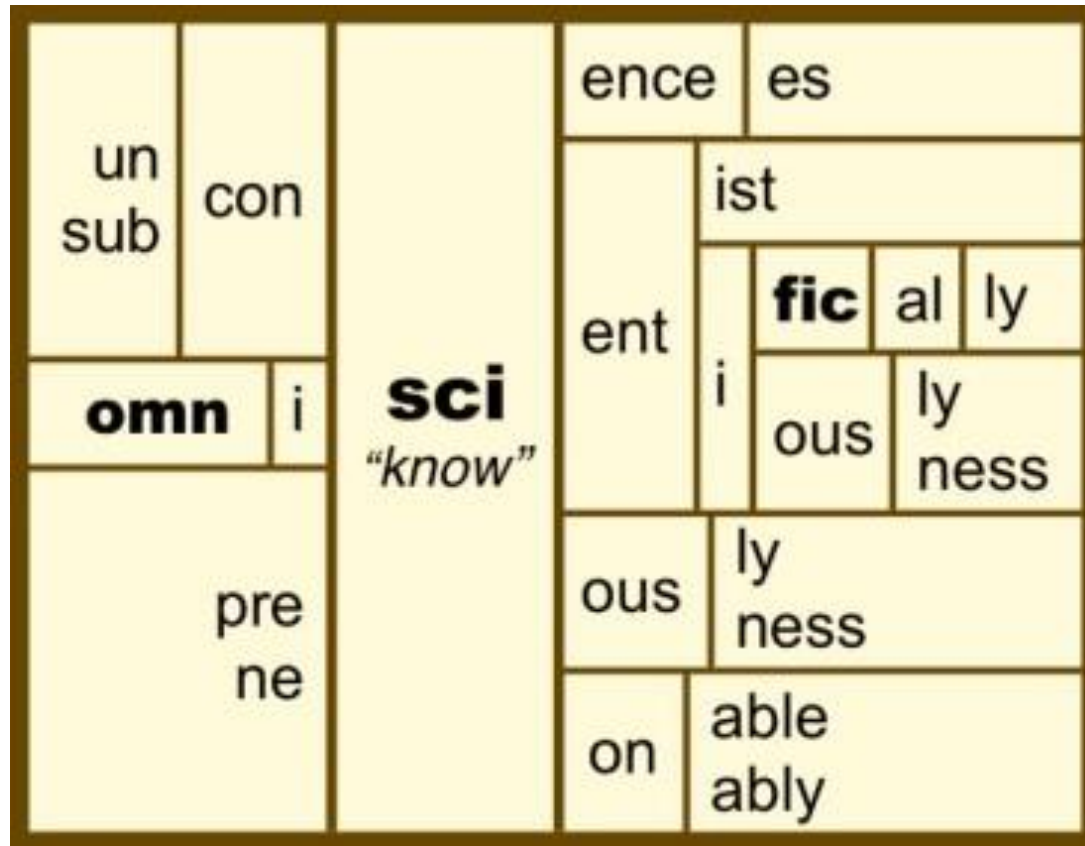
Most common prefixes in English

Rank	Prefix	Percentage of prefixed words
1	Un- (not)	26
2	Re- (again)	14
3	In-, im-, il-, ir-	11
4	(not)	7
5	Dis- (not)	4
6	En-, em- (put into)	4
7	Non- (not)	3
8	In, im- (in)	3
9	Over- (excessive)	3
10	Mis- (bad)	3
	Sub- (below)	

Greek & Latin Roots

- Latin
 - Entered English from many sources
 - Fixed structure
 - Mostly bound
- Greek
 - Scientific & Mathematical terms
 - Flexible grouping

Word building



Etymological Roots

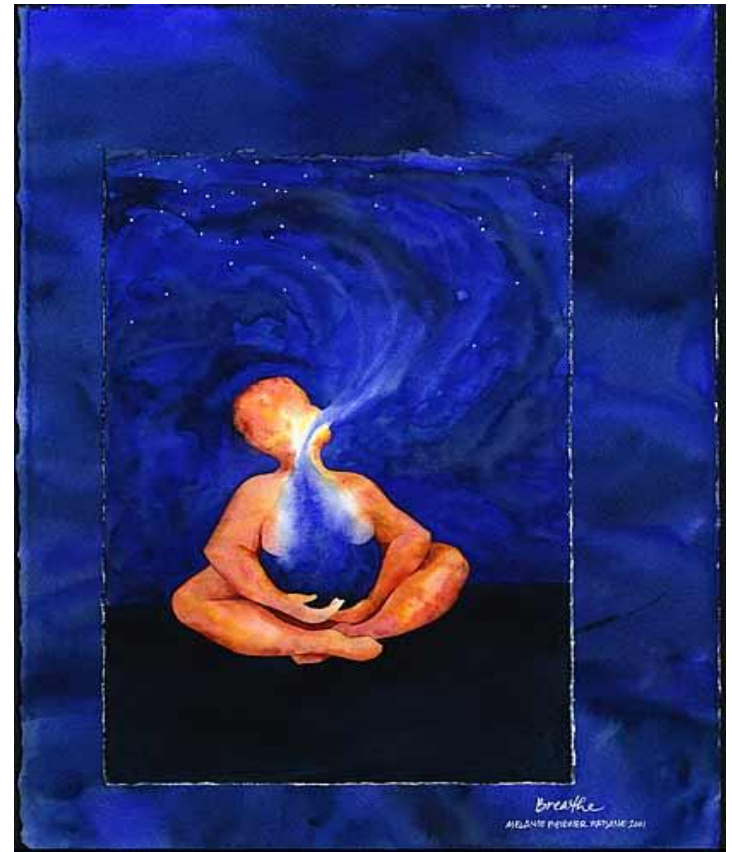
Anglo-Saxon	Latin	Greek
earth	terrain	geography
water	aquarium	hydraulic
star	stellar	astronomy
sun	solarium	helium
man	virile	anthropology
woman	feminine	misogynist

Example Latin Root Lesson

- ✦ Definition of the root
- ✦ Creative expression of meaning
- ✦ Examples
- ✦ Practice of words with the root
- ✦ Assessment

spir

**to breathe;
Spirit**

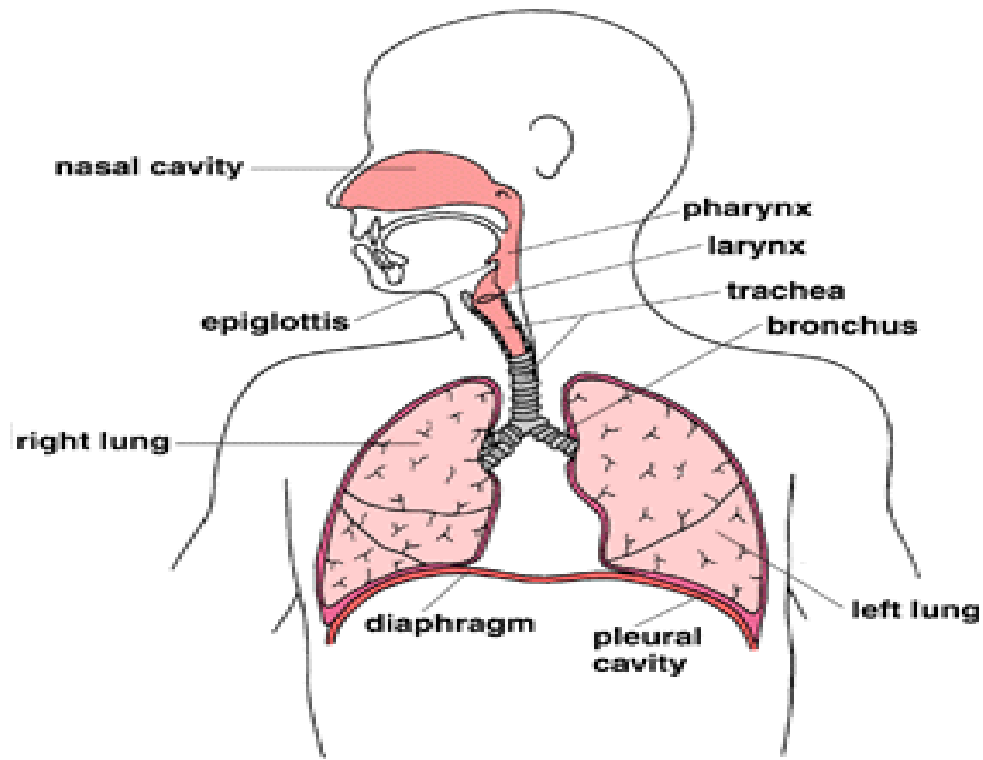


Spiritual



The trip to the city is a spiritual experience.

Respiratory



Respiratory system

expire



The man's
credit bills
haven't expired
but he has.

conspiracy



QUIZ

- ✦ A supernatural being is a spirit.
- ✦ Breathing air in and out is respiration.
- ✦ To expel through pores is to _____.
- ✦ To motivate is to _____.
- ✦ To end or die is to _____.
- ✦ To plan together secretly to do wrong is to _____.