


WEBINAR

95 Percent Change

Discovering How the English Spelling System Works: An Introduction to Spellography

How does spelling represent meaning in English?




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Let's get started

- Please use the Chat feature to ask questions and watch for digital handouts and informative links
- If you experience technical difficulties, such as sound or video issues, please log off and come back to the webinar
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Our Foundational Principles



We believe that ALL children deserve a chance to learn to read.

Our purpose is to unlock the power of literacy for every child.

We build on science to empower teachers—supplying the knowledge, resources, and support they need to transform developing readers.

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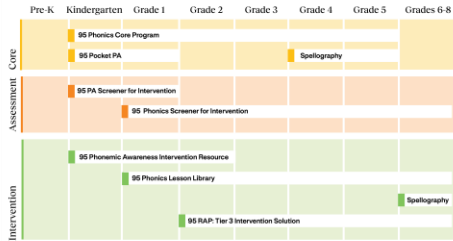
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Trusted and Proven Literacy Solutions Made by Educators, for Educators



We have a teacher-centric approach,
which honors and amplifies a teacher's impact.

Our flagship solutions






The One95 Literacy Ecosystem™ is a cohesive suite of resources that aligns to our mission and standards of excellence. Instruction in all solutions is aligned across tiers of instruction to maximize outcomes for students. Flagship products in each tier include the following:




SPELLOGRAPHY

Louisa Moats, EdD and Bruce Rosow, EdD



Discovering How the English Spelling System Works:
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Four Session Series on Language and Spelling


PART 1 | AVAILABLE NOW ON DEMAND
What does phonology have to do with learning to spell?

PART 2 | AVAILABLE NOW ON DEMAND
How do graphemes represent phonemes in English orthography?

PART 3 | Tuesday, May 21
How does spelling represent meaning in English?

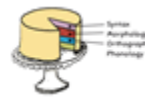
PART 4 | Tuesday, June 11
What do grammar and syntax have to do with spelling?




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The Layers of Language Represented in Print

- Phonology: speech sounds
 - 44 consonant and vowel phonemes
 - Phoneme awareness
- Morphology and Etymology
 - Meaningful word parts and word origin
- Orthography: the writing system
 - Graphemes, phoneme-grapheme matching
 - Patterns of letter use, rules for endings, syllable types
- Syntax: sentence structure
 - How "parts of speech" are reflected in spelling



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Spellography Instructional Routines

A typical lesson progression:

- Explain the spelling concept
- Practice phoneme awareness
- Study the spelling pattern: Word completion, wordsort, word build, word analysis, phoneme-grapheme matching
- Read lists of pattern-based words (repeated for fluency)
- Analyze the morphological structure of words
- Write words and sentences to dictation
- Compose or complete sentences using a sentence frame



The Richness of English

Anglo-Saxon	Latin	Greek
see, eye	visualize, perceive	ophthalmology
small	minute	microscopic
illness	affliction	pathology
book	literary, library	bibliography
top	elevated, superior	acme, epitome
water	aquatic, aquafer	hydro, hydrate
earth	terrestrial	geology, cosmos
hear, ear	audio, aural	phonetics, phone



Introducing Word Origin → Word Form

re	geo	earth	tract	bio	port
graphic	quake	ex	worm	able	logy

Old English	Latin	Greek
<i>earthquake, earthworm</i>	<i>retract, extract, portable, export, exportable, report</i>	<i>biology, geographic, geology</i>




Dimensions of English Orthography

	Sound-Symbol	Syllable Patterns	Morpheme Structure
Anglo-Saxon	Consonants single, digraphs, trigraphs, blends Vowels short, long; VCe, vowel team; vowel-r patterns	closed open vce vowel-r vowel team consonant -le (oddities)	compounds inflections base words prefixes/suffixes high frequency wds.
Latin			prefixes roots suffixes
Greek	ph for /f/ (graph) ch for /k/ (chorus) y for /i/ (gym)		Combining forms plurals

A-S Compounds: Similar to German, the "Parent" Language

- das *Kopfkino* (cinema in your head) = thoughts in daydreams
- der *Handschuh* (hand shoe) = glove
- der innere *Schweinehund* (pig dog) = weakness of will power



Features of English Compounds

lunchbox
backpack
popcorn
pinhole
sandcastle

deadpan
bigwig
hotdog

- Most of the base words added together are of Anglo-Saxon origin
- The separated parts can stand alone; they are "free" morphemes
- The first syllable of the compound is almost always accented
- The last part of the compound may or may not name the item

First Step in Compound Instruction

Compound Word	Last word names the item or concept	Last word does not name the item or concept
crack/pot		crackpot
Foot/hold	foothold	
cup/cake	cupcake	
second/hand		secondhand
hand/out		handout
slip/knot	slipknot	
slow/poke		slowpoke

How Many Words Can You Make/Find?

Word	Compounds
black	blackball, blackjack, shoeblack, blackbird, ...
step	stairstep, stepchild, stepstool, sidestep, ...
drop	eyedrop, dropshot, airdrop, ...
pen	penpal, pigpen



Building Fluency in Word Recognition

Clem's grandmother, grandfather, granddaughter and grandson, and his stepfamily including his stepfather, stepmother, stepsister and step-dog all like crab-crud crumbs, sprouts and crab, and they like spam too...



Inflection: -ed

First, contrast /k/, /g/, /d/, /t/

clicked (/t/)	slogged (/d/)	slated (/ɪd/)
stoked (/t/)	plugged (/d/)	salted (/ɪd/)
plucked (/t/)	pegged (/d/)	sledded (/ɪd/)
spooked (/t/)	flagged (/d/)	traded (/ɪd/)

Naked vs. Baked?

- Naked is not the past tense of anything.
- It is an adjective.
- It happens to end in -ed, but there is no word "to nake." So it's just a two syllable word, ending in /ked/.
- **An Old English word!**

Spoken Syllable and Morpheme Divisions (Book C)

Word	Break where you hear the syllable break in speech.	Break based on meaning with the base word kept together.
roundup	roun - dup	round - up
voucher	vou - cher	vouch - er
counter	coun - ter	count - er
housing	hou - sing	hous - ing
roughly	rou - phly	rough - ly

Why are Latin Morphemes Important for Spelling?

- 60% of content words in academic text are Latin-based.
- Morpheme spellings usually don't change, except for a few prefixes and roots.
- Their literal meanings can be learned and can be helpful in linking whole word spelling to meaning.
- Many words share a root. Root families can be very large and are linked together in our mental dictionaries for recognition and recall.



can't get reflection

1. He thinks I tried about doing this project to that you should be right away on with about work but I didn't want and together it was good for the early project was I did not want to be in side and the side.

2. I think that it was important to watch the movie "No Via M... because it told us how they had pushed you to reach.

the people

1. We come into the world poverty we are going to leave the earth with poverty?

2. We have native americans as history for this history?

3. a custom is a perfect history and was used only for classes

4. ... I want to ... it is ... it ...

- learned/learned
- project/project
- dropte/dropped
- inportent/important
- pousht/pushed
- native americans/Native Americans
- eksprachen/expression



Prefixes: Usually Prepositions (AS or Latin) Indicating Time, Space, Relationship

A-S Prefix	Example Word	Latin Prefix	Example Word
fore	foretell	ante	antedate
un	unwrap	in	insane, invalid
with	withstand	com	commit
over	overtake	super	superhuman
under	understand	sub	subtract, subject
out	outdo	ex, e	exceed, eject
to	together, tomorrow	ad	advice, adhere



Prefixes: Sort by Time, Space, Relationship

T=Time	S=Space	R=Relationship			
over head	S	over ripe	T	over see	R
under growth	S	under value	R	under cook	T
bypass	S	by- product	R	by gone	T
on board	S/R	on set	T	on going	T

Prefixes also can form antonyms, or intensify word meaning...

- Forming antonyms:
[im](#)material, [non](#)existent, [dis](#)agree
- Intensify word meaning:
[con](#)firm, [dis](#)tort, [under](#)stand

Sorting Base Words and Roots

- A base word can stand alone.
- A root (a bound morpheme) must be attached to a prefix or suffix to make a word.

Base Words	Roots
rust	rupt
spend	spect
jest	gest
cast	ject
land	tain
give	gress

Prefix + Latin Root ("Root Canal")

Prefix	+ Ject	Meaning?
re	reject	To throw back or again
pro	project	To throw forward
in	inject	To throw into
inter	interject	To throw between
ob	object	To throw against

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Speed Read

re	ject	rejected	rejection
de	ject	dejected	dejection
inter	ject	interjected	interjection
pro	ject	projected	projection
in	ject	injected	injectable



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More Word Building, Latin Root "Ject"

e
in
pro
re
sub
de
ab
ob
ad

+ ject +

ive
or
ed
ing
s

*ejected, injecting,
projector, rejected,
subject, deject,
object, objective,
adjective...*

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Old English Base Words vs. Latin Roots

vert	cast	cept	pass	sight	tract
hold	lect	set	cess	cite	track

Old English Prefixes			Latin Prefixes		
be- mis- by-	for(e)- out-	in- with- re- up-	over- re-	under- after-	un- back-
forecast, overcast, underpass, bypass, foresight, insight, behold, withhold, upset, outset, backtrack...			convert, except, attract, distract, extract, collect, access, excess, incite, recite...		

Why the Doubled Consonant Letters?

- aggressive vs. agreeable
 - affected vs. afraid
 - allusion vs. alumna
 - accept vs. accom
 - appoint vs. apex
 - attend
 - assist
- Prefix "ad" changes its form to match the root to which it is added.
- adventure
advice
admit
addition
adjust

Latin Assimilated (Chameleon) Prefixes

An assimilated prefix, also called a chameleon prefix, changes its form to match the root to which it is attached. *Assimilated* means "to make something similar to something else." When prefixes are changed to match the root, a doubled letter often results. *In-* can also be *im-* or *il-*.

i_l_lusion	i_r_rigate	i_l_llogical
i_m_possible	i_m_maculate	i_n_accessible
i_r_resistible	i_l_legible	i_r_regular
i_m_balance	i_n_herit	i_l_licit
i_r_ritate	i_r_reparable	i_r_reversible

Back to the meaning of prefixes...

Meaning	in-	im-	ir-	il-
not	inaudible incomplete	immobile impolite imbalance	irrational irregular	illiterate illegible
into / toward	indebt inflamm	implant impress	irradiate	illuminate

Latin Root Aud and Greek Morpheme Auto

in- sub-	aud	-(i)o, -ible, -it, -ion, -ory, -(i)ence	<i>audience, audible, inaudible, auditory, audit, audio, subaudible</i>
auto	Combining Forms pilot mobile immune graph focus		<i>autopilot, automobile, autoimmune, autograph, autofocus</i>

Book D "Advanced" - Revisiting "J" and "G"

se_g_ment mar_g_in re_j_oice ma_g_nitude	ma_i_ority dialo_g_ue tan_g_ent mi_g_ration	ima_g_line ad_j_ust ori_g_inal strate_g_ic	en_g_a_g_ed re_g_ional dili_g_ent dis_j_unct
cagy + ness fog + y + er energy + plural grunge + y + est grunge + y + ness	Combined Word caginess foggier energies grungiest grunginess	manage + ment stop + age + plural salvage + ing outrage + ous + ly courage + ous + ness	Combined Word management stoppages salvaging outrageously courageousness

Open Syllable Prefixes: bi, tri, di, dia

Prefix	Prefix meaning	Root, base	Words with prefix + root/base/combining form
(bi)	two	annual	biannual, bisect, bilingual, biped
(dia)	across	gonal	diagonal, diagram, diaphragm, diameter, dialogue
(di)	two	oxide	dioxide, diversity, dilemma, dichotomy
(tri)	three	angle	triangle, tripod, tricycle, triathlon

Progression of Difficulty of Words and Concepts in Spellography

Book A	Book B	Book C	Book D
shell	chugged	drowsier	luggage
thing	quenched	ounces	adjustable
chomp	glitches	dawdle	geological
slack	forbidden	speckled	gradually
clunk	furrier	audible	certificate
broke	thwarted	quotable	circumference
quite	cellular	particles	conceptual
plunge	equator	vertical	publicity
dredge	chatter	scariest	severely
trapped	edgewise	narrator	atmosphere

Can You Say These Nonsense Words? And Use Them in a Sentence?

lemidate
lemidity
lemidation
lemidy
lemidify

lemidic
lemidize
lemiditude
lemidary
lemidism

Upcoming Events

SAVE THE DATE

4-PART WEBINAR SERIES 6:30 PM CDT

June 11 | What do syntax and grammar have to do with spelling?

On-Demand | What does phonology have to do with learning to spell?

On-Demand | How do graphemes represent phonemes in English orthography?

On-Demand | How does spelling represent meaning in English?



FEATURING

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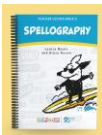

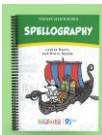
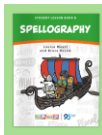




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Spellography

- Books A & B Teacher's Edition and Student Workbooks are available in our online store.
- Book C will be available for purchase on Monday, June 3.






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