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Morphology Matters!

Building Literacy Skills Through Word Parts

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- a. motivation for teaching morphology
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Terminology for Morphology Study

<u>affix</u>	prefix or suffix that can be attached to the base
<u>base</u>	morpheme that holds the core meaning of a word; every word has one stands alone; often called base word (e.g., <u>port</u> , <u>kind</u>)
<i>free base</i>	only appears as part of a larger word (e.g., <u>struct</u> , <u>mit</u>)
<i>bound base</i>	
<u>base word</u>	free base; word even when no affixes are added (e.g., <u>kind</u>)
<u>final stable syllable</u>	cluster of letters at the end of a word whose pronunciation remains consistent regardless of the word in which it appears (e.g., <u>-tion</u> , <u>-ble</u> , <u>-ture</u>); <i>not</i> synonymous with the term suffix
<u>morpheme</u>	smallest component of a word that has meaning
<u>phoneme</u>	smallest unit of speech sound (e.g., /b/, /ch/)
<u>prefix</u>	affix placed before the base of a word (e.g., <u>pre-</u> , <u>ab-</u>)
<u>root</u>	word in an origin language from which English bases are derived; (sometimes, the term is used to identify bases)
<u>suffix</u>	affix placed after the base of a word
<i>derivational (lexical):</i> (shifts part of speech)	vowel: -able, -ance, -ate, -er (noun), -ish, -ive, -ize, -ous, -us consonant: -ly, -like, -ment, -ful, -tude, -less
<i>inflectional (grammatical):</i> (does not shift part of speech)	vowel: -ed, -er (comparative), -es, -est, -ing consonant: -ly, -'s, -s
<u>assimilated prefix</u>	prefix (often nicknamed chameleon) where, for ease of pronunciation, the final letter changes according to the initial letter of the base to which it is attached (e.g., <u>ad-</u> changes to <u>ar-</u> before <u>range</u> to make <u>arrange</u> ; <u>in-</u> changes to <u>im-</u> before <u>pact</u> to make <u>impact</u>)
<u>element</u>	(sometimes called combining form) often used to describe Greek-based bases and affixes (e.g., <u>phone</u> , <u>crat</u> , <u>phys</u> , <u>epi-</u> , <u>a-</u>)
<u>connective</u>	letter(s) in English words used to combine two morphemes; connectives function as glue and have no meaning (not morphemes)
<i>Latin-based</i>	connect a base to a suffix or two suffixes to each other (e.g., <u>palimony</u> , <u>grad<u>i</u>ent</u> , <u>mon<u>u</u>ment</u>). <u>-i-</u> and <u>-u-</u> are connectives; while <u>-u-</u> is sometimes identified as a connective, it is actually suffix <u>-ule</u> , where the <u>e</u> has dropped before a vowel suffix
<i>Greek-based</i>	connective <u>-o-</u> often joins two elements (e.g., <u>phot<u>o</u>graph</u> , <u>dem<u>o</u>cracy</u>)

note: Because in linguistics the term "root" refers to the word (in another language) from which our current stem or base is derived, base is a more clear term to describe the core meaning in an English word. Often, however, in word study with students, the term "root" is used interchangeably with "stem" and "base."

Selecting Word Origins

Label each word as AS = Anglo-Saxon; G = Greek; or L = Latin

sing	surreptitious	regenerate	hundred
mutual	what	phase	evacuate
monochrome	telepathy	those	phonics
forty	from	abbreviate	incredulous
declension	manuscript	phonograph	moat
pyre	pathology	epidemic	recuperate
expenditure	does	miss	
laugh	white	abnormal	<i>bonus words:</i>
orchid	biology	contraception	biodegradable
distribute	consequence	elbow	graphomotor
psychology	watch	philanthropist	subatomic

Identifying Morphemes

Underline the base words. Box the affixes (prefixes and suffixes).

cook	overheated	unworthy
cooking	sunset	worthlessness
overcooked	like	worthiest
heat	likely	understandable
heating	liking	underactive
heater	likelihood	hopefully
preheat	worth	unwholesome

Basic Word Matrix Work

word matrix

un	teach	able
re		er
pre		es
mis		ing

word sums

teach + er → teacher

Why We Don't Use =

bat + er → batter
rake + ing → raking
cry + ed → cried

Discovery Learning

trees = _____

_____ = _____

examples: _____

unhappy = _____

_____ = _____

examples: _____

larger = _____

_____ = _____

examples: _____

leader = _____

_____ = _____

examples: _____

_____ = _____

_____ = _____

examples: _____

Suffixes Both Determine & Change Part of Speech

noun	verb	adjective	adverb
joy	rejoice(s,ing,ed) enjoy(s,ing,ed)	joyous joyful	joyfully
peace		peaceful	peacefully
hunger	hunger(s) hungered hungering	hungry	hungrily
expanse expansion expansiveness	expand(s) expanding expanded	expansive expandable	expansively
darkness dark	darken(s) darkened darkening	dark darker darkest	darkly
act action actor	act(s) acted acting	active	actively
loudness	-	loud louder loudest	loudly
dependence	depend(s) depended depending	dependent dependable	dependently
sleep sleeper sleepiness	sleep(s)	sleepy	sleepily

Note: -ed and -ing verbs can also serve as adjectives (called participles).

Morpheme Instruction at the Elementary Level: A Week's Lesson in E.L.A.

1. Introduce.
 - a. Write the morpheme for students to see. Write affixes with dashes to show they attach to bases. (e.g., -s, un-)
 - b. Have students trace and write the morpheme, naming its letters as they write.
 - c. If the morpheme is bound, write it in a keyword to show how it is used.
 - d. Have students pronounce, trace, and write the keyword, naming its letters as they write.
 - e. Explain and write the meaning of the morpheme. (Either use direct instruction or, wherever possible, help students use discovery learning to uncover its meaning.)
 - f. Provide or ask students to create a personal card with the morpheme on the front and its keyword and meaning on the back.
 - g. Using a Post-it, add the morpheme to the morpheme wall or chart.
2. Generate with the students a list of words that contain the new morpheme.
3. Ask questions to help students generate other known words that contain the morpheme. (e.g., for un-: “What would a word be for ‘not kind?’” (unkind)
(e.g., for port: “What would a word be for ‘to carry back?’” (report))
4. Have students build a matrix or build word sums from an existing matrix for the morpheme.
5. Have students locate and underline the morpheme in words containing it. Alternatively, have the students complete word sorts.
6. Have students participate in morphemic awareness activities (oral manipulation of morphemes in words). Use felts or chips to represent the morphemes you move just as you would for phonemic awareness activities. (See Donah’s texts for scripted activities.)

Instructor: Say teach.

Student: teach

Instructor: Add /ing/ to teach.

Student: teaching

Instructor: Change /ing/ in teaching to /able/.

Student: teachable

Instructor: Add the prefix un- to teachable.

Student: unteachable

7. Have students read phrases/sentences that include examples of words containing element.
8. Provide word, phrase, and sentence dictation that includes examples of words containing element.
9. Have students write sentences with words containing element.
10. Have students locate words that contain familiar prefixes and bases in paragraphs or longer pieces.

* *Games and other activities can be added or even used instead of some of the activities above. See separate page of supplemental activities.*

Morpheme Instruction at the Middle & High School Level: A Week's Lesson in E.L.A.

1. Introduce.
 - a. Write the morpheme for students to see. Include appropriate dashes for affixes. (e.g., pre-, contra-, -ment, -age *but* port, struct)
 - b. Have students trace and write the morpheme, naming its letters as they write.
 - c. Write the morpheme in a keyword to show how it is used.
 - d. Have students pronounce, trace, and write the keyword, naming its letters as they write.
 - e. Explain and write the meaning of the morpheme. (Either use direct instruction or, wherever possible, help students use discovery learning to uncover its meaning.)
 - f. Provide or ask students to create a personal card with the morpheme on the front and its keyword and meaning on the back.
 - g. Using a Post-it, add the morpheme to the morpheme wall or chart.
2. Generate with the students a list of words that contain the new morpheme.
3. Provide definitions, and have students retrieve from memory other, recognizable but less familiar, words that contain the studied morpheme.
4. Have students build a matrix for the morpheme or build word sums from an existing matrix.
5. Have students locate and underline the morpheme in words containing it. Alternatively, have the students complete word sorts.
6. Have students participate in morphemic awareness activities (oral manipulation of morphemes in words). Use felts or chips to represent the morphemes you move just as you would for phonemic awareness activities. (See Donah's texts for scripted activities.)

Instructor: Say constructed.

Student: constructed

Instructor: Change the /ed/ in constructed to /ing/.

Student: constructing

Instructor: Add re to the beginning of constructing.

Student: reconstructing

Instructor: Drop the first prefix and the /ing/ in reconstructing.

Student: construct

Instructor: Add /iv/ to the end of construct.

Student: constructive.

7. Have students read phrases/sentences that include examples of words containing morpheme.
8. Provide word, phrase, and sentence dictation that includes examples of words containing morpheme.
9. Have students write sentences with words containing morpheme.
10. Have students locate words that contain familiar prefixes and bases in paragraphs or longer pieces.

* *Games and other activities can be added or even used instead of some of the activities above. See separate page of supplemental activities.*

Morphology & The Three Great Spelling Rules

Silent-E Spelling Rule: Drop the e before adding a vowel suffix.

hope + less → hopeless
hope + ed → hoped
in + vade + ing → invading
race + i + al → racial

re + late + ion → relation
place + ate + ing → placating
in + vase + ion → invasion
com + pro + mise + ing → compromising

CVC (or 1-1-1) Doubling Rule: In 1 syllable words ending in consonant-vowel-consonant (cvc), double the final consonant before adding a vowel suffix.

double:

ship + er → shipper
snag + ed → snagged
drug + ist → druggist

do not double:

ship + ment → shipment
last + ing → lasting
host + ess → hostess

Y Spelling Rule: Never drop the y. Keep it or change it. If a word ends in vowel-y, keep the y. If a word ends in consonant-y, change the y to i unless the suffix begins with i.

vowel-y, keep the y:

boy + hood → boyhood
pray + ed → prayed
pay + ment → payment

parlay + ing → parlaying
an + noy + ance → annoyance
em + ploy + ment → employment

consonant-y, change the y to i:

hurry + ed → hurried
study + ous → studious
ready + ness → readiness

fry + ed → fried
party + er → partier

unless the suffix begins with i (which would create a double i):

fly + ing → flying
study + ing → studying

CVC (or 1-1-1) Doubling Rule-Extended: In multi-syllable words ending in consonant-vowel-consonant (cvc), double the final consonant before adding a vowel suffix if the last syllable in the baseword gets the accent.

com + mit + ed → committed
trans + fer + ing → transferring

Do not double if the last syllable does not get the accent.

of + fer + ing → offering
lim + it + ed → limited

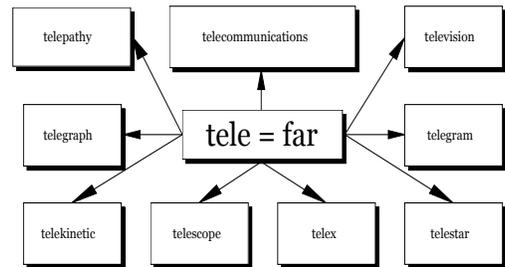
A Note on Procedure for Word Origins

A significant conceptual difference exists between basic phonological decoding (division by sound) and morphological work (division by meaning). With morphology we no longer examine words based on syllabication; rather, we examine them based on parts for meaning. Examples are above at right. Morphological study leads to an understanding of more challenging spellings and an enhanced vocabulary.

phonological division	morphological division
e la tion	e lat ion
in som ni a	in somn i a
con tra dic tion	contra dict ion

Supplemental Activities

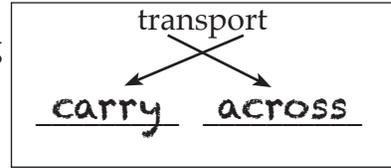
1. Have students write a prefix or base in the center, and map or web words that come from that morpheme. More advanced students can even link those webbed words to other prefixes and bases. An example of a simple word web for the Greek element -tele- is at right.
2. Have students locate words that contain familiar prefixes and bases in magazine or newspaper articles. This practice teaches students to recognize learned morphemes and proves their frequency and therefore the usefulness of studying them.
3. Provide students with a “word of the day,” which they must analyze at the phonological (phonemes, syllables, blends/digraphs, etc.) and morphological (language of origin, prefix/base/suffix, advanced structures, meaning if possible) levels. This provides both review and a fascinating study!
4. Suffixes often determine part of speech. Examine these words to see how their parts of speech change as different suffixes are added:



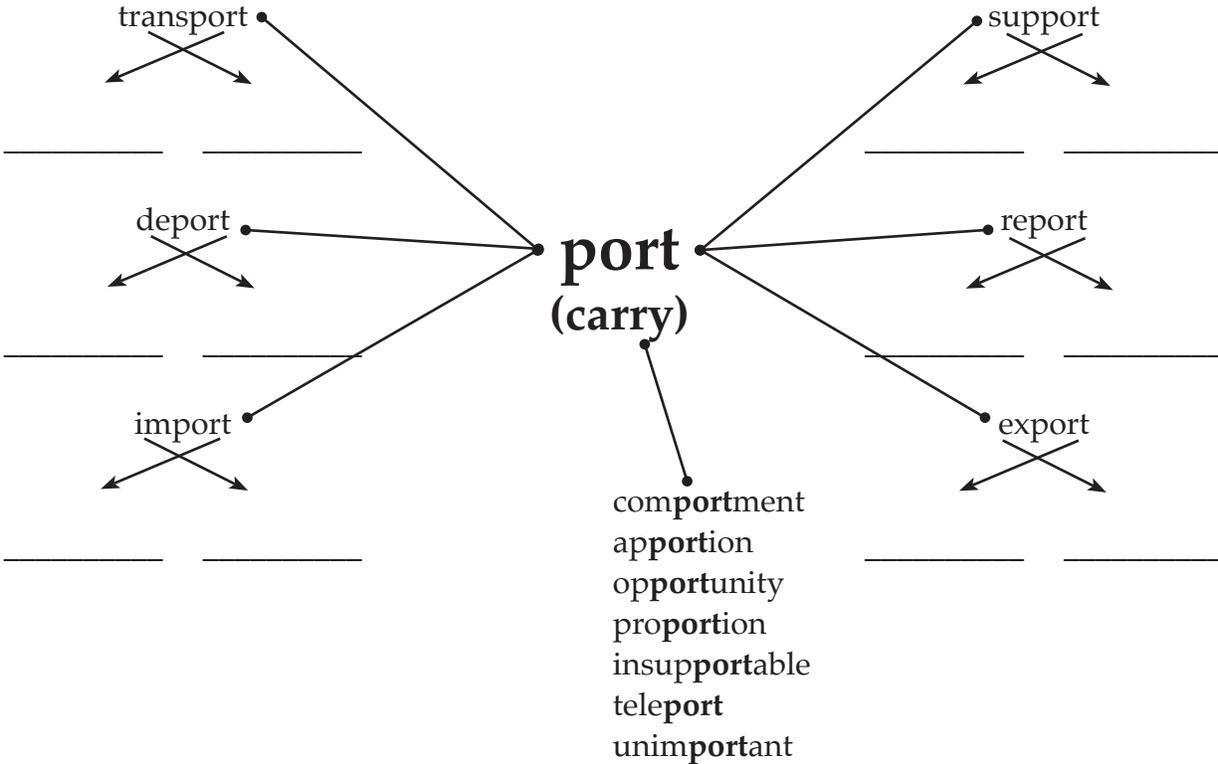
prefix	prefix	base	connective	suffix	connective	suffix	suffix
inter	de	part		ment		al	ly
dis	pro	port		ion		ate	ly
	ad	vent		ur(e)		ous	
		nat(e)		ur(e)		al	ly
	re	med	i	at(e)		ion	
	ir	reg		ul(e)		ar	ly

Supplemental Activities (continued)

5. Have students write literal definition of given word using knowledge of element meaning, or have them provide word to match provided literal definition (crisscross sheets). An example is at right.



Here's a word web that incorporates criss-cross sheets, for the base port (from Latin).



6. Latin & Greek Word Generation: Underline a recognizable morpheme, and list other words that share that morpheme.

beneficial

autograph

position

7. Sample Activity: Sort Words by Common Morpheme

benevolent	compelling	benefactor	pedal
pedometer	polygamy	compulsory	impulsivity
polyester	expedient	polygon	beneficial
repulsive	benign	impediment	polyglot

<u>p</u> ede	<u>p</u> oly	<u>b</u> ene	<u>p</u> el/pulse
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

8. Sample Activity: Using Matrices for Word Building

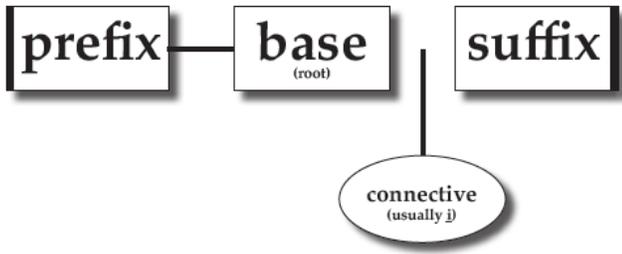
de re	con	struct <i>"build"</i>	ible	<i>structure</i> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	
in	de		ing		
			ion		
			or		
			s	al	ly
	in ob		ure	ed	
				ing	
				s	

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9. Sample Activity: Identifying Morphemes

Underline bases, circle connectives, and box affixes.

Latin template: 55% of English words



Latin structure

confide

eruption

counterproposal

regenerative

Greek structure

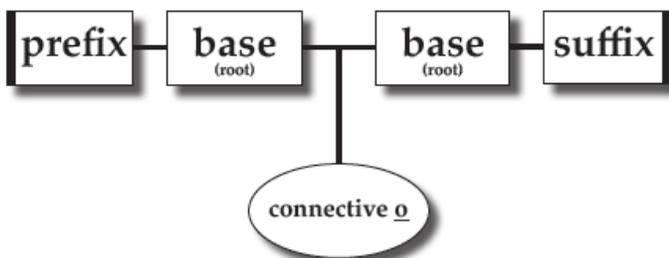
psychometrics

photographic

synchronize

sympathetic

Greek template: 11% of English words



10. Sample Activity: Sister Words for Shared Meaning

challenge	sister word	shared meaning
perturbed	disturb	-----
benefactor	benefit	-----
rupture	disrupt	-----
amiable amicable	amigo	-----
envision	vision	-----
enclosure	close	-----
antibiotic	antisocial	-----
	biology	-----
autobiography	automobile	-----
	biology	-----
	paragraph	-----
euphony	euphemism	-----
euthanasia	eulogy	-----
geothermal	geography	-----
	Thermos	-----

A Technique for Reviewing Word Parts & Vocabulary Terms Independently

To study your cards use **“The Box Method”!**

1) Put down 4 cards to form your “BOX”

Word up, definition down:

democracy	convention
primary	delegate

2) Quiz yourself

Pick up a card, do you know the definition?

YES! Set it aside, and place a new card in your box.

NO... carefully review the back of the card until you feel you know it, then put it back in your box, and choose another card from your box to answer.

No card leaves the box until you get it right once.
Keep putting aside the cards you know and reviewing the ones you don't until you know them all!

3) Now try it with the definitions up!

This is a much more effective way to learn your cards than just flipping through the deck!

“The Box Method” William Van Cleave & Shirley Kokesh
Instruction sheet by Susan Schambach and Cheryl Swanson, Triad Academy, Winston-Salem, N.C.

Identifying Morphemes: The /shun/ Question

1. Underline the base. 2. Box any affixes. 3. Circle any connectives.

contraction

regression

magician

Guess c o n t r a c t i o n r e g r e s s i o n m a g i c i a n

Correct Answer c o n t r a c t i o n r e g r e s s i o n m a g i c i a n

Common Morphemes (William Van Cleave compilation - from *Everything* text)

morpheme	meaning	sample word
Anglo-Saxon Prefixes		
a-	on, in	across
for-	away, against	forbid
fore-	before, ahead	forehead
mis-	wrong(ly)	mistake
out-	beyond	outlaw
un-	not	unhappy
under-	below	underrate
Anglo-Saxon Suffixes		
-ed	past tense	jumped
-ly	adverb	likely
-ful	quantity noun	spoonful
	adjective	doubtful
-ful + -ly	adverb	hopefully
-less	adjective	worthless
-ness	noun	darkness
-ing	verb	digging
-er	comparative adj.	greater
-est	superlative adj.	greatest
-ish	adjective	brownish
	verb	furnish
-hood	noun	adulthood

morpheme	meaning	sample word
Latin Prefixes		
ab-, abs-	away from	absent
circum-	around	circumference
contra-counter-		
	against	contradict
de-	down from,	descend
	concerning	
extra-	beyond	extraordinary
inter-	among, between	interrupt
multi-	many	multimillionaire
per-	through	perforate
	completely	perfect
post-	after	postpone
pre-	before	preview
pro-	for, forth	proceed
re-	again	recopy
	back	reject
se-	apart from	separate
super-	over	supervise
trans-	across	transport

Assimilated Latin Prefixes

Often, instructors teach the core prefix (e.g., ex-) early on, returning later to add its assimilations when students are ready.

ex- (e-, ef-)	out of	exit
dis- (di-, dif-)	apart	distant
	not	dissatisfied
ad- (ac-, af-, ag-, al-, an-, ap-, ar-, as-, at-)	to, toward, at	advance
ob- (oc-, of-, op-)	object	against
sub- (suc-, suf-, sup-)		
	under	submarine
con- (com-, col-, cor-)		
	with, together	construct
in- (im-, il-, ir-)	in	invade
	not	insane

Common Morphemes (William Van Cleave compilation - from *Everything* text)

morpheme	meaning	sample word
Latin Bases		
<i>transparent</i>		
aud	hear	audio
dice, dict	say	dictate
ject	throw	eject
mise, miss, mit	send	mission
mobe, mote, move	move	move
pel, pulse	push	expel
port	carry	portable
rupt	break	interrupt
scribe, script	write	script
spece, spect, spice	see	spectacles
tract	drag, pull	tractor
vide, vise	see	video
<i>main list</i>		
cape, capt, ceive, cept, cipe	take	capture
cede, cess	go, yield	recede
cide, cise	cut, kill	scissors
claim, clame	call out	exclaim
clause, close, clude, cluse	close, shut	closet
crede	believe	credit
course, cur, curse	run	current
duce, duct	lead	educate
face, fact, fect, fice	make	factory
feder, fide	trust	federal
fer	carry	refer
fine	end, limit	finish
flect, flex	bend	flexible
form	form	form
gene, gener	birth, origin	gene
grade, gress	walk, step, move	progress
lect, lege, lige	choose, speak, read	elect
pede	foot	pedal
pend, pense	hang, weigh	pendulum
plice, ply	fold	reply

morpheme	meaning	sample word
pone, pose, pound	put, place	position
press	press	press
quest, quire, quise	ask, seek	question
sede, side, sess	sit	residence
sense, sent	sense, feel	sensitive
sist, stance, stant, state, stite	stable	stand
spire	breathe	inspire
struct	build	structure
tain, tene, tine	hold	container
tend, tense, tent	stretch, strain	tension
vail, vale	be strong, power	value
vene, vent	come	convention
verse, vert	turn	invert
vite, vive	live	survive
voce, voke	call	vocal

There are a number of Greek morphemes worth learning though Greek bases and affixes typically appear in more specialized vocabulary.

Of the many Greek morphemes, graph, gram, which means write, is particularly common and worth teaching first. Others can be found in the *Everything* text.

Some Sample Matrices

ab de re se		duct lead	ed ile ing ion or s	
non super	con		ive	ly ness
re	intro			
co post re un under	pro			

con de re se		duce lead	ate ed		
mis re un	e		ion	al	ly
			er ible ment		
re	in intro		ive	ness	
co over re	pro				

astro		phys "natural science"	ic	al ist s
meta			io	logy
ge	o		ique	

poly "many"	gam	ist	s
		y	
	gon	al	
	graph	s	
	nom	ial	s
	pept	ide	s
	phag	ia	
	the	ism	
		ist	ic
	ureth*	ane	
	ploid		
	un	satur	ate

mis pre re	calc "stone"	ule	able us		
			ate	ed ion or s	
				ing	ly

acr an ep hom pseud syn	onym "name"	ous
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All of these matrices were created with Mini Matrix-Maker,
at www.neilramdsen.co.uk/spelling/matrix.

Useful Morphology Resources

Books:

- Anderson, C. Wilson, T. Elli Cross, and Joan Stoner. *VAK Tasks, Intermediate Prefixes, Roots and Suffixes series, Essential Roots series, Essential Prefixes series. Workbook of Resource Words for Phonetic Reading.* wvced.com. (several series for middle and high school)
- Barr, Cooper, Follis, Lindsay, Parsons. *Prefixes, Roots, Suffixes.* (3 reference texts.) wvced.com.
- Bowers, Peter. *Teaching How the Written Word Works.* wvced.com. (matrices)
- Donah, Sandra. *Improving Morphemic Awareness Using Latin Roots & Greek Combining Forms.* wvced.com. (morphological awareness-advanced)
- Donah, Sandra. *Improving Morphemic Awareness Using Base Words & Affixes.* wvced.com. (morphological awareness-basic)
- Gold, Diane Hickey, Elaine Russo, Linda Wallace, Judy Shapiro. *PS: Prefixes, Suffixes, Roots (A Resource of Lists, Phrases, Sentences, Poems, and Stories).* wvced.com. (sequenced lessons, including words, phrases, sentences, and passages-basic level)
- Gold, Diana Hickey, Elaine Russo, Linda Wallace, Judy Shapiro. *PPS: Advanced Prefixes, Suffixes, Roots, and Connectives (Resource of Lists, Phrases, Sentences, Stories & Activities).* wvced.com. (sequenced lessons, including words, phrases, sentences, and passages-advanced level)
- Kleiber, Margaret. *Specific Language Training: An Orton-Gillingham Curriculum for Adolescents.* wvced.com. (adolescent Orton-Gillingham curriculum)
- Morgan, Kenneth B. *Dynamic Roots - Language Training Program.* wvced.com. (sequenced lessons, including words and sentences, thorough teacher's manual, and practice pages for each root)
- Van Cleave, William. *Everything You Want To Know & Exactly Where To Find It: A Reference Guide for Teachers of Orton-Gillingham & Other Multisensory Approaches.* wvced.com. (reference guide with teaching concepts and word lists covering morphological concepts--in addition to basic O.G.)
- Van Cleave, William & Caroline Dover. *Phrases & Sentences for Reading & Spelling.* wvced.com. (words from *Everything* text organized by concept and used in phrases and sentences)

Other Resources:

- Morphology Deck (wvced.co)
- Phonics Dice Deluxe & Phonics Dice Booster Kit (wvced.com)
- Various games and activities (wvced.com)

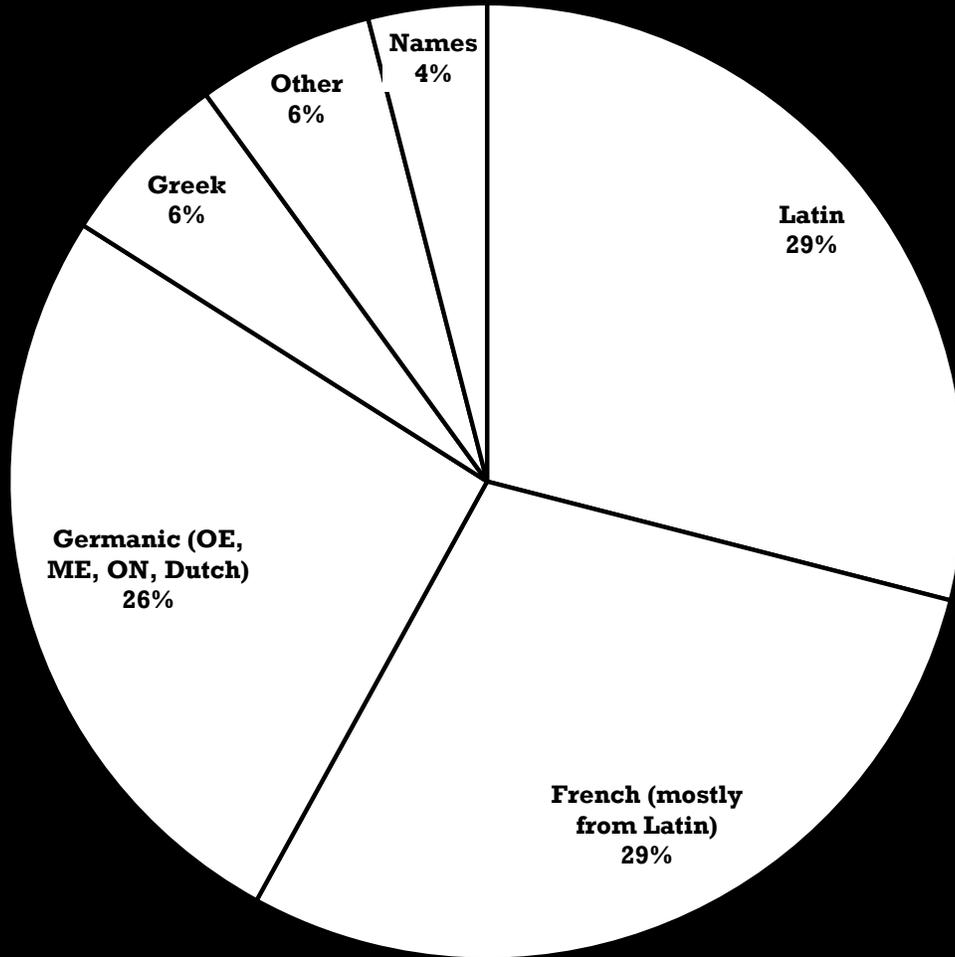
Vocabulary & Morphology Websites:

- etymonline.com dictionary.com vocabulary.com visualthesaurus.com
- matrix maker (Bowers & Ramsden): <http://www.neilramdsen.co.uk/spelling/matrix/index.html>

Selected Research Supporting Morphological Intervention:

- Bowers, P. N., Kirby, J. R., & Deacon, S.H. 2010. "The effects of morphological instruction on literacy skills: A systematic review of the literature." *Review of Educational Research*, 80, 144–179.
- Goodwin, A. P., & Ahn, S. 2010. "A meta-analysis of morphological interventions: effects on literacy achievement of children with literacy difficulties." *Annals of Dyslexia*, 60, 183–208.
- Goodwin, A. P. & Ahn, S. 2013. "A Meta-Analysis of Morphological Interventions in English: Effects on Literacy Outcomes for School-Age Children." *Scientific Studies of Reading*, 1–29.

ORIGINS OF ENGLISH



Important Notes:

- The % of Greek-based words in English hovers between 6-11% overall, but counting only science terminology moves that number up to 70%.
- 90% of new words to English are of Greek and/or Latin origin.

Word Origins Resources

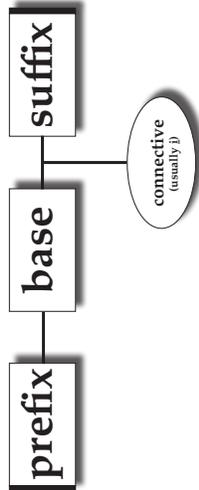
- Carreker, Suzanne. *Word Detective: Discovering The History of The English Language*. neuhaus.org. (word origins for younger students)
- Durkin, Philip. *Borrowed Words: A History of Loanwords in English*. Oxford University Press, 2014.
- Harper, Douglas. etymonline.com. (best online resource for etymological study)
- Kemmer, Suzanne. Words In English (website). ruf.rice.edu/~kemmer/Words04. (website on history of English)
- King, Diana Hanbury. *English Isn't Crazy! The Elements Of Our Language And How To Teach Them*. proedinc.com. (straightforward history of English)
- Van Cleave, William. *Everything You Want To Know & Exactly Where To Find It: A Reference Guide for Teachers of Orton-Gillingham & Other Multisensory Approaches*. wvced.com.

Tracking Word Origins

A two-color poster-size version of this chart is available from W.V.C. ED.
Please do NOT copy this chart except for personal reference.

Latin Origins: 55%

General Trends



usually multisyllabic words
few vowel teams besides ai: assail, retain
typically academic, Tier 2 words

Common Structures

connectives i and u: binomial, solitude, conspicuous
ti, si, and ci = /sh/: notation, crucial
tu = /chool/: eventual, fortunate, spatula
ture = /cher/: adventure, signature, nature
chameleon prefixes:
attention, collapse
cl, pt: act, tempt
soft c before e or i:
certain, city



Anglo-Saxon Origins: 20%

General Trends

usually monosyllabic words
numbers 1-1000: one, twenty, hundred
basic color words: brown, green, red
simple body parts: arm, throat, thigh
short non-phonetic words: could, do
most vowel teams: boat, house, feel
short words with silent letters: ghost, know
typically everyday, Tier 1 words

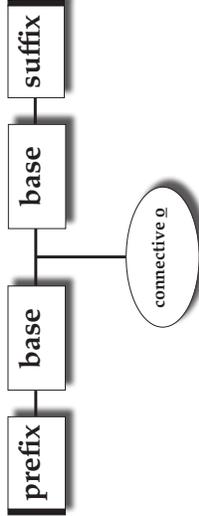
Common Structures

ff-ll-ss words: cliff, tall, grass
ch = /ch/: chore, chin, bench
ck, tch, and dge: back, witch, edge
th in short words: than, thin, thick
k in short words: keep, kill, kind
wh: when, whisper
ng: hang, song, sting
wr: wrist, write
wild/old words: child, mind, post, told
2-syllable consonant-le words:
bubble, fizzle, trickle



Greek Origins: 11%

General Trends



often involve science, school, or the arts
typically domain-specific, Tier 3 words

Common Structures

connective o: democrat, photograph
y = i: cyclone, gym, myth, type
ph = /ff/: phobia, phonics, typhoon
ch = /k/: monarch, orchid, school
silent initial p: pneumonia, psychology
k in longer words: kilometer, kinesthetic
th in longer words:
athlete, thyroid
-logy: archaeology, biology, technology
suffix -ic: charismatic, chronic, music

