

What is a morpheme?

The smallest unit which conveys meaning:

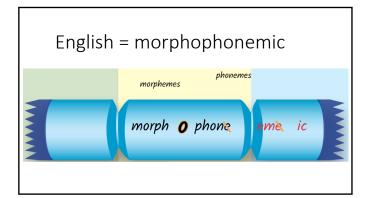
- A phoneme is the smallest unit of sound
- A grapheme is a unit of spelling for a phoneme

A Morpheme:

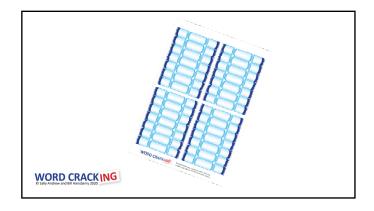
- Could be a word needle
- Could be a prefix in
- Could be an root ject
- Could be a suffix ed

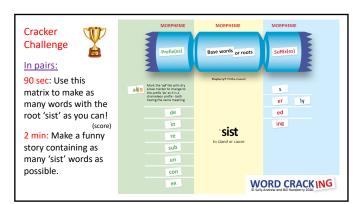
- whe	311
MOIL	ome
100	Je.
WOIL	ma.
WODD CD4 CKING	Wei.
WORD CRACK ING © Sally Andrew and Bill Hansberry 2020	





Examples of morp	WORD CRACKING © Sally Andrew and Bill Hansberry 2020	
lock base word = no locks locker	relocking unlocked	padlock
sist root = to stand assist resisting assistant	consisting insists persisted	desists exist <mark>ed</mark> transisting





Your turn Identify and total the morphemes in the following words: ad un.at.tended (4) unattended sweeteners sweeteners (4) sub suffix (2) says (2) suffix says hap<u>py</u> (2) prefix prefix (2) happy discontinued dis.con.tin.u.ed psychiatrist psychiatrist (3) beautiful incompetence in.com.pet ence (4) beautiful (2) compete (v.) compete (v.) 1510s, 'to enter or be put in rively with,' from French competer "be in rively with' (4,e.), or directly from Latin competers' strive in common, strive after something in company with or together,' in classical Latin' to meet or come together; agree or coincide; to be qualified,' from com 'with, together' (see come) + petere 'to strive, seek, full upon, rush at, attack' (from PIE root 'pet-' 'to rush, to fly'). WORD CRACKING

Why has morphological	awareness	become
the buzz word?		

- Enables word construction and deconstruction
- Along with syllables, awareness of morphemes aids word identification and spelling
- Incredible bang for buck with vocabulary and speech development
- Improves reading comprehension and fluency
- Improves grammar knowledge
- Helps with developing spelling knowledge

What are the benefits of incorporating ir
classroom practice?

- Word analysis develops meta-linguistic awareness (Gombert, 2003)
- Students manually learn how to construct and deconstruct words in which gives them a pathway into tackling unfamiliar words of increasing difficulty (another way *in* for poor decoders)
- Students' vocabulary is enhanced as they learn how to unpack words they can often figure out the meaning
- Students acquire vital tool for spelling unfamiliar words
- Students understanding of grammar is developed

WORD CRACKING

Common affixes - due to their phonic regularity and the sheer number of times they appear in words are more likely to be bonded (orthographically mapped) and stored permanently for recognition on sight.

Flately the deather has been unshandally weird. We have extrienced transjectory flibs and preberting, and so we have had teleprossing flinds which made the predopping spreets inscortable.

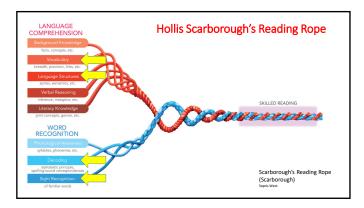
 $Read\ more\ about\ Ehri's\ Orthographic\ mapping\ theory-you'll\ never\ see\ sight\ words\ the\ same\ way\ again!$

Common affixes – due to their phonic regularity and the sheer number of times they appear in words are more likely to be bonded (orthographically mapped) and stored permanently for recognition on sight. ly un 1y er ed trans ex ory ing S pre ing tele S able pre ing s in

 $Read\ more\ about\ Ehri's\ Orthographic\ mapping\ theory-you'll\ never\ see\ sight\ words\ the\ same\ way\ again!$

"Children read aloud nonwords with a morphological structure more rapidly than those without one."

(Burani, Marcolini, & Stella, 2002),



	_
Improved Spelling knowledge	
maiking macking mayking makeing mak ing	
dropt droped dropped	
suckseeding suckseading sucseeding succeeding	
suports supports	
WORD CRACK ING 6 July Address and Bill Hausberry 200	
	•
	1
Highlight the spelling errors: Manual page 5	
Teacherz of less capable spellers will be usd to seing spelling errors like the types of mistakes scatterd throughout this section. Without a sound understanding of affixes and the rules for how	
they add on to base words and roots, many teachers are runing into trouble when trying to give students useful feedback about the nature of these errors. When reporting on a student's spelling	
progress, all that can be said is 'Bill is still a phonetic speller' without any detail. These types of errors indicate that a student is either not recogniseing that some of these words consist of a base with an affix added, or they are, but are unable to apply the correct spelling rule to suffix it. The	
with and the above, or they are, but are value to apply the cornect spening tale to sail this. The trickyness inherent in the English orthography can lead to arguments with students about the correct spelling of words that can end in a teacher saying to a student "just spell it that way because	
that's the right way!" Any teacher will agree that we owe our students more than this and we do not want our weaker spellers blameing themselves for what we aren't able to adequately teach them about the types of errors or plans for their remediation.	
WORD CRACKING	
to allej princete the both still industry y account	J

How would you classify these errors?

- •What would you report on a student spelling this way?
- •Where would you target intervention?
- •If you had a class of kids spelling like this, what would you teach them?

Errors above	What the student isn't seeing or doesn't know		
Teacherz	'Teacher' is made plural with the suffix 's'. This attempt has been spelled phonetically.		
usd	The 'drop 'e''rule applies to this word. Again, this spelling attempt is purely phonetic without knowledge that the base word is 'use' and the suffix is 'ed'.		
seing	The base 'see' with suffix 'ing' and just add rule are at work in the correct spelling of this word because 'see' has a CVV (safe) end pattern. Many students incorrectly apply the 'drop 'e'' rule when adding a yowle suffix because it works for them most of the time.		
scatterd	This is s purely phonetic spelling with no awareness of this word's morphemic or grammatical structure which is; base word 'scatter' and suffix 'ed' to indicate past tense.		
runing	The suffix 'ing' has simply been added to the base word 'run' without knowledge of the 111 doubling rule needed when adding vowel suffixes to VC end patterns.		
regogniseing	The drop 'e' rule not used. 'Recognise' ends in a VCe pattern and the rule needed here is to drop the final 'e' before adding a vowel suffix.		
trickyness	The suffix 'ness' has just been added to the base word 'tricky'. Most of the time consonant suffixes are just added to base words, however, if the base ends in a consonant and the letter 'y' ('Cy end pattern) then the 'y' must be changed to 'P most of the time.		
arguements	Here the drop the 'e' rule has not been applied to the base word which has a 'ue' ending pattern. The false assumption has been that it is safe to <i>just add</i> the suffixes 'ment' and 's' as they are both consonant suffixes.		
blameing	The drop 'e' from VCe words rule has not been used.	D CRACKIN	

A LITTLE FRONT-LOADING!

What do these morphemes do to a word's part in speech (grammar):

- Suffix 's' (what does it do to a noun and a verb)
- Suffixes 'ing', 'ed'
- Suffix 'ness' (what's this do to a noun)
- Suffix 'ly' (how does this help a verb?)

WORD CRACKING

Cracker Cup: page 112

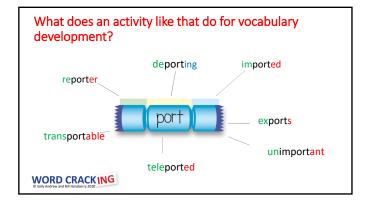
Get your magnet boards ready - one between 2



- 1. Designate a Cracker Master and a recorder
- Recorder write 'port' in a heap of crackers (to save time)
- 3. Part 1: 90 seconds to make as many words as you can
- 4. Part 2: 2 minutes to write an amazing story using as many 'port' words as you can
 - 1 point for any prefix

 - 1 point for any suffix3 points for the root 'port'
 - 1 point for a capital letter or comma
 - 1 point for a full stop
 - 2 points for ? or !
 - 2 points for possessive apostrophe
 - 2 points for a contraction





Why the necessity for teaching of morphology to Tier 3 students?

- Students struggle with decoding unfamiliar words
- Students do not see regular boundaries between morpheme parts
- Even with intervention some students will remain slow decoders and so morphological training will help to develop speed and fluency
- Students struggle with spelling and even with intervention their spelling approaches may be shaky and unreliable

WORD CRACKING

Use the Word Cracker to constantly check they know what's what! MORPHEME MORPHEME MORPHEME MORPHEME Prefix(es) Can be written with dry erase marker or placed as a magnet Roots - black Vowel Suffixes - red Consonant Suffixes - blue

The need for explicit teaching- get it right for tier 3 and you get it right for all

- Students do not 'acquire' the complexities of our English language - it must be explicitly taught by a skilled practitioner
- Students need a structured approach to learning in small manageable chunks
- Students learn best through multisensory activities: say it, speak it and write it
- Students need to revisit the concepts regularly for learning to become secure

WORD CRACKING

The Word Cracker

- A hands on approach which makes the teaching of morphology a multi – sensory activity... and its FUN!
- A large number of prefixes, roots and suffixes included from which over 500 words can be made
- Can be used with a dry erasable pen
- Comes with a detailed manual and a small write on Word Cracker.
- Can be used with individuals, small groups and whole class

WORD CRACKING

What a Tier3 Program looks like

- Slow sequential steps
- Fine grained
- Cumulative learning
- Revision: Over learning is key
- Knowledge of phonemes being used



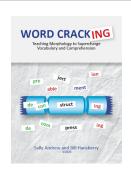




How the manual is laid out

- 1. Spelling Rules
- 2. What a tier 1 program might look like
- 3. Suffixes
- 4. Diagnostic Dictations
- 5. Prefixes
- 6. Roots and Morpheme Matrices
- 7. Whole Class Morphology Challenges
- 8. Appendix





It's not as easy as it looks! con + struct these on your cracker or whiteboard

acts stacks stacked

staked

stocked stopped

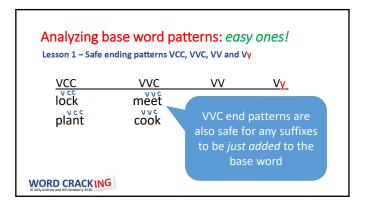
chopping choppier

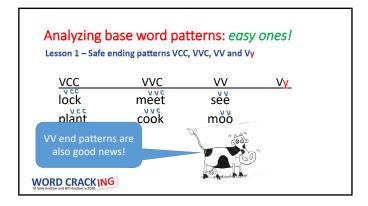
A classroom approach to teaching the spelling rules – the skill-set progression

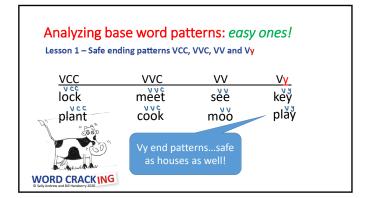
- 1. Phonological Awareness
- 2. Phonics (GPC)
- 3. Introduction of syllable types and morphemic parts (Prefixes, suffixes, roots)
- 4. Developing the ability to analyze base word patterns
- 5. Teaching of ADD, DOUBLE, DROP, CHANGE rules
- 6. Teaching of specific grammar use of each suffix
- 7. Teaching of Prefix meanings
- 8. Teaching of root meanings and origins (etymology) LEVEL 2 and 3 Vocabulary

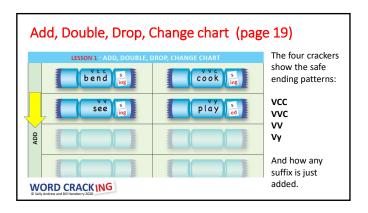
WORD CRACKING
© SIII/ Andews and BIII Handberry 2020

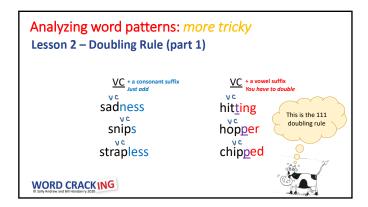
Analyzing base word patterns: easy ones! Lesson 1 – Safe ending patterns VCC, VVC, VV and Vy VCC VVC VV Vy lock plant A safe ending pattern (like VCC) means any suffixes can be just added to the base word without any tricky stuff like dropping 'e', doubling consonants or changing letters!

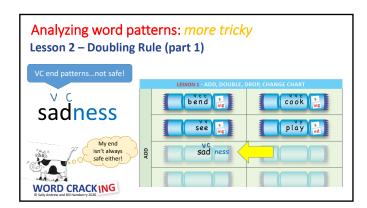


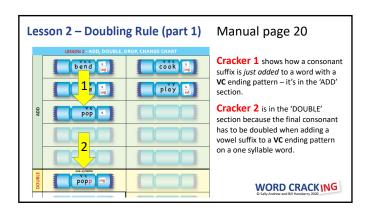




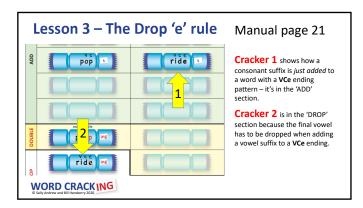


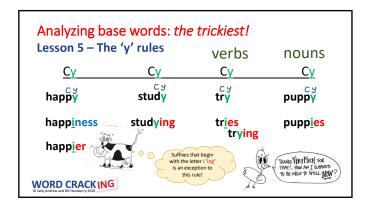


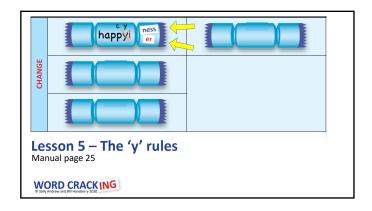


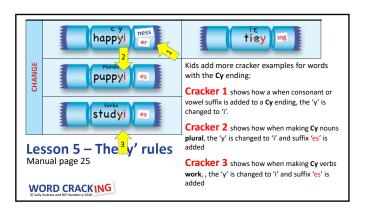


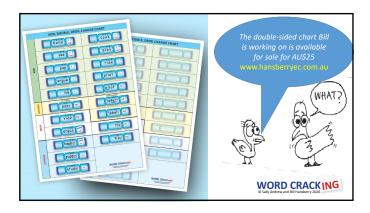
Analyzing base word patterns even trickier Lesson 3 – The Drop 'e' rule VCe +a consonant suffix Vce you have to drop 'e' stares careing careing vce stareed WORD CRACKING











How the Manual's Appendix is laid out

- 1. Add, Double, Drop, Change chart
- 2. Bingo Base Board
- 3. Games and spinners
- 4. Ethan's game
- 5. Blank Crackers
- 6. Cracker Scramble morphemes
- 7. Notes for Playberry_® practitioners
- 8. Morpheme Drill Cards
- 9. Blank Cracker (for collecting morphemes I know)





Working out what spelling rules your class needs to learn, relearn, revise, revisit!

DIAGNOSTIC DICTATIONS

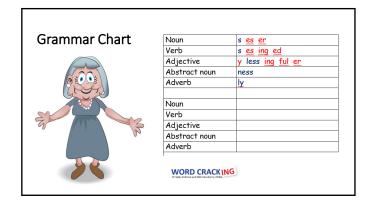
WORD CRACKING

Building and Building an

DIAGNOSTIC DICTATIONS Travis Barlett Director 0457759004 Travis@progresseducational.com.au													
WORD CRACK	ING	Pre-t	est				Post-te	est					
Teaching Morphology to Super- Vocabulary and Comprehens DIAGNOSTIC DICTA THE DOUBLING RULE	charge ion	'ic' endings add 'k' rule	'ic' endings add 'k' rule	111 Doub	ling rule	111 Doubling rule	'ic' endings add 'k' rule	'ic' endings add 'k' rule	111 Doub	oling rule	111 Doubling rule	'ic' endings add 'k' rule	111 Doubling rule
Student name	Year	panicky	Total	scru bb ed	fitter	Total	mimicking	Total	sto pp ed	flopped	Total	Growth	Growth
Sam	5		0	1		1	1	1	1	1	2	1	1
Darren	5		0			0	1	1	1	1	2	1	2
Wendy	5	1	1	1	1	2	1	1	1	1	2	0	0
Jas	5		0	1		1	1	1	1	1	2	1	1
Will	5		0			0		0	1	1	2	0	2
Millah	5		0			0	1	1		1	1	1	1

Change 'y' TO 'i' RULE Change 'y' TO 'i' RULE Change 'y' to 'i' rule Doubling rule Mum's Wedding Story At budtimes Mum often happily told us kids stories about the day her and Dad were married. She giggled about how it was the hottest day of the year and how people were hastily sipping their drinks at the reception. Already heaps of diagnostic information just from the first paragraph!



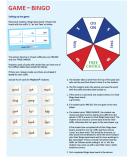


Teach 'less' and 'y'

Manual pages 36-41

To demonstrate cumulative and progressive

Development of grammar concepts



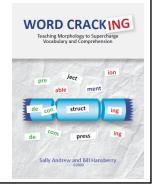
WORD CRACKING

Reinforcing nouns, verbs and adjectives Manual page 41 GAME – BINGO Setting up the game Hand each student a Bingo base board. Prepare the boards with hour, verb and 'adjective' as below. Different transport to the student lands on a 'noun' they have to select a noun from the list and say that noun in a sentence to convey its meaning. C. If the student uses the word (noun, verb or adjective) convey its meaning. C. If the student uses the word (noun, verb or adjective) correctly, they can write the word on the Bingo base board in the correct place. d. The word is then crossed off the word list and the second student has a turn. e. First completed board is the winner.

These are the words the players are choosing from. Sal chose these carefully For her students based on whet she'd taught previously. bosses dishes sticky prints smells dresses smelly hisses clocks classes bendy strapless yanks presses handy spotless bikes smashes messy helpless WORD CRACKING

Teach suffix 'ing' Manual Pages 45-47 WORD CRACKING Now – have a go at teaching this to your partner! WORD CRACKING Teach suffix 'ed' • To demonstrate how grammar knowledge helps to avoid spelling errors we need to establish the 3 sounds of suffix 'ed' : (əd), (t), (d) • To introduce 111 Doubling Rule • Play the game WORD CRACKING Teach drop 'e' rule Manual Page 11 Swap – teacher becomes the taught • You might use the words: make, come, drive • How will your students record their understanding of this rule? • How can a teacher check student knowledge of this rule?

Teach	n c	hange	'y' to '	i' ru	le
-------	-----	-------	----------	-------	----



Prefixes

- Suggested order for teaching prefixes
- Students will begin to see the construction and deconstruction of words



WORD CRACKING

Here's another blank cracker

WORD CRACKING
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Dictate real and nonsense words for practise using:

- de press ing
- con tract ed
- in form ed
- re flump ly
- un trock ed
- mis crad <mark>d</mark> ing
- ex lipe ing



Here's more

WORD CRACKING

Dictate real and nonsense words for practise using:

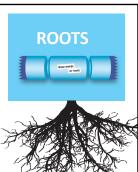
- un trite ly
- prock ish
- sub slop p ive
- de proot ism
- brome ing ly
- prepp)x i ness



Roots

- Different from base words
- Most frequently Latin, Greek or Old French
- You don't have to teach every meaning of every root, more developing an awareness of roots
- There are drill cards in the appendix

WORD CRACKING
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Morpheme Matrices

Manual Page 94



Classroom games

Gamifying morphology

- You're only limited by your creativity!
- Use ours as a springboard for ideas
- Invent your own game

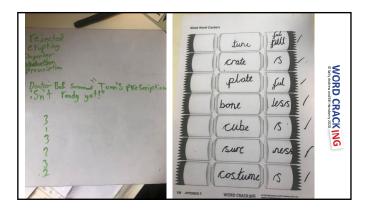




WORD CRACKING

Making the learning their own

- Personal word cracker recording of suffixes learned (Page 153)
- Spelling rules chart (Page 25)
- Word challenges
- Worksheets to revise concepts learned make your own, use google to search the words for worksheets







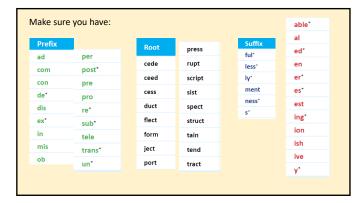




- 1. What is the reason for the 2 colours of suffixes?
- 2. What are the black tiles called?
- 3. Name 2 functions of the 's' suffix.
- 4. Which suffix forms a present tense verb?
- 5. Which suffix forms an adverb?
- 6. What is meant by the words 'in structure'?
- 7. How can I test the class to assess their knowledge to date?
- 8. What are the blank crackers used for?



- 9. What is the point of the games?
- 10. How can my student record knowledge of what has been learned to date?
- 11. What are the four main spelling rules for adding suffixes called?
- 12. What is a Prefix that is altered sightly to aid pronunciation?
- 13. What am I expecting the Word Cracker to assist my students with?



		_	
	Now		
		_	
	GET CRACKING!		
	GET CRACKING!	_	
WORD	O CRACK ING		
Spi	ecials! Today Only – Only stock here	_	
	rd and Magnet Set	_	
	d Cracker and Magnets \$120 – Today \$105	_	
	c Bundle:		
	d Cracker, Manual and Magnets \$199 – Today \$180 nual only:	_	
	mally \$90, today \$80		
	, Double, Drop, Change double sided wall chart	_	
	mally \$25, today \$20		
	vill invoice buyers because he forgot his card machine (like usual)	_	