# Setting the Stage for Accurate and Fluent Reading: Decoding Foundation Skills K-2

**Research-Validated Practices** 

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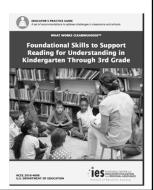
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# Recommended IES Practice Guide

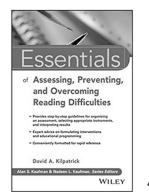
Foundational Skills to Support Reading for Understanding in Kindergarten Through 3<sup>rd</sup>

Available online



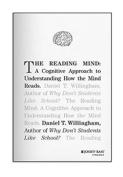
# **Recommended Book**

Kilpatrick, D. A. (2015). Essentials of assessing, preventing, and overcoming reading difficulties. Hoboken, New Jersey: John Wiley & Sons.



# **Recommended Book**

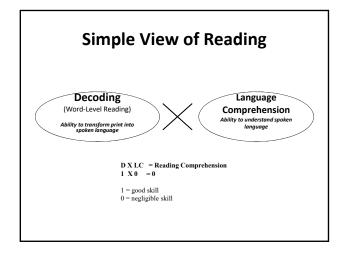
Willingham, D. T. (2017). The Reading Mind: A cognitive approach to understanding how the mind reads. San Francisco, California: Jossey-Bass.

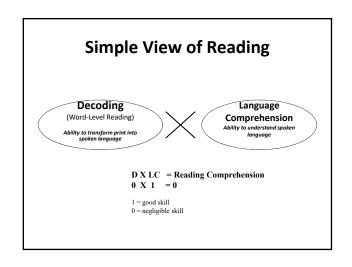


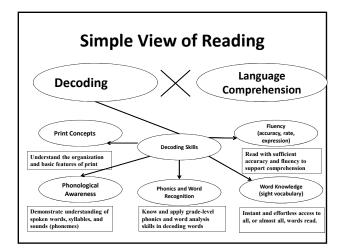
# Recommended Book

Seidenberg, M. (2017). Language at the speed of sight. New York: Basic Books. IOW TWO THINGS ABOUT IE MARK SEIDENBERG IS IAT YOU ARE READING TI ID LANGUAGE AT THE WO IESE SPEED OF SIGHT YO ADING THESE WORDS IN IOW THAT YOU ARE AN EU HOW WE READ, THE SWHY SO MANY CAN'T, IW AND WHAT CAN BE YOU ERY DONE ABOUT IT DA'HETHER YOU WANT TO O

# Simple View of Reading Decoding (Word-Level Reading) Ability to transform print into spoken language Comprehension Ability to understand spoken language comprehension are relatively independent abilities. Gough, 1986







# Big Picture Critical Foundation Skills

- Print Concepts
- Phonological Awareness
- Phonics and Word Recognition
- Word Knowledge (Sight Vocabulary)
- Fluency

# What Why How

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# Why - Foundation Decoding Skills

Students who learn the alphabetic system and can decode effortlessly reap many benefits including:

- focus mental energy on comprehension
- experience joy of engagement with text
- access a wide range of texts
- increase **vocabulary** and **knowledge** (Brady, 2012)

# Why — Foundation Decoding Skills Research indicates that students have better future prospects as readers if they develop understanding and facility with the alphabetic code by the end of second grade. (Monts 2022) Why — Foundation Decoding Skills If we do not catch students early (by end of second grade at the latest), improvement in their relative standing is much less likely and cost much more. Many reading disabilities can be remediated or ameliorated by the end of first grade with explicit, phonics-emphasis instruction. (Byder, Tummer, & Greaney, 2008; Mathes et al., 2005)

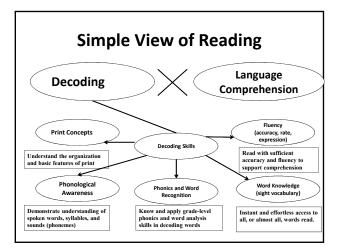
# Why - Foundation Decoding Skills

Poor readers in grades 3-5 needed about **two hours per day** to bring their basic reading skills up to the level predicted by their verbal reasoning abilities.

(Torgesen et. al 2001)

# **Print Concepts**

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# Print Concepts – K Why

• Prereaders knowledge of letter names is among the strongest predictors of subsequent progress.

Seidenberg, 2017

 When students learn the Alphabet Song and the corresponding letters, they learn 26 categories of objects.

Seidenberg, 2017

Drint Concents		
Print Concepts Understand the organization and basic features of print		
Understand the organization and basic reatures of print		
rite a variety of A's		
,		
	-	
19		
1		
Print Concepts – K How?		
Letter Names		
Teach letter names explicitly.		
Utilize a version of the Alphabet Song.	-	
Introduce upper-case letter names before lower-case		
because they are visually easier to learn. Adams 2013		
20		
	-	
Duint Concents 1/ Usua		
Print Concepts – K How?		
Letter Names		
Teach to mastery		
Letters can be named accurately, confidently, effortlessly.		
Provide extra time on:		

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Visually similar (b, d, p, q)Upper and lower case forms that differ (E e, R r)

# **Print Concepts**

Understand the organization and basic features of print

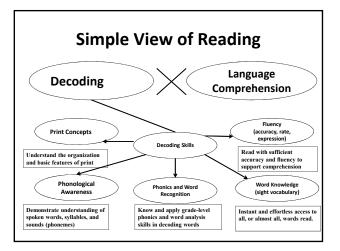
# **Additional notes:**

b and d reversals are not a sign of dyslexia. b and d reversals are developmental.

Dyslexia is NOT rooted in visual problems. Willingham, 2017

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# **Phonological Awareness**



# **Phonological Awareness - What**

	Blending	Segmenting
Sentences into words	"Listen. I - rode - the - bus. Say the sentence."	"Listen to this sentence.  We ate lunch. Clap and say the words in the sentence." We - ate - lunch.
Words into syllables	"Listen to the parts of a word. rock - et Say the word." rocket	"Listen. Marty Let's clap and say the parts in Marty." Mar ty
Words into on- set rimes	"Listen. f at What word?" fat	"Say Sam in two parts." S am
Words into phonemes	"Listen. I will say the sounds. You say the word. mmmmaaaat What word?" mat	"Fist in the air. Say the sounds in <i>man</i> and put up one finger for each sound?" mmm aaa nnn

# **Phonological Awareness**

# **Phonological Awareness Skills**

- Early

  - rhymingalliteration
  - segment words into syllables
  - identify initial sound in word

- blending sounds into words
- segmenting words into sounds

# Advanced

- manipulating phonemes
- deleting, adding, substituting

Kilpatrick, 2015

# **Phonemic Awareness - What?**

- The ability to hear and manipulate phonemes (sounds) within words.
- An auditory skill.
- Segmenting and blending activities have the greatest benefit to reading acquisition. (National Reading Panel, 2000; Snider, 1995)
- Generally, teach blending before segmenting. (Lane & Pullen,

# **Phonemic Awareness - Why**

- Must be aware of phonemes within words in order to map graphemes onto phonemes. (Ehri & Roberts, 2006)
- Phoneme awareness performance is a strong predictor of long-term reading and spelling success and can predict literacy performance more accurately than variables such as intelligence, vocabulary knowledge, and socioeconomic status. (Billon, 2004)
- Phonemic awareness activities in kindergarten resulted in word reading gains in first and second grade. (Foorman, Francis, Beller,

Winikates, & Fletcher, 1997

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# **Phonemic Awareness - How**

- Include phonemic awareness activities in beginning reading programs for students of any age.
- Kindergarten: 10 15 minutes a day (Foorman et al, 1997)
- **First Grade:** (First three months) 10 minutes a day incorporated into phonics instruction
- Intervention: Within intervention program if student reads below 2nd grade level
- Intervention: Advanced phonemic awareness may be necessary for struggling readers (Kilpatrick, 2015)
- All Elementary Grades: Incorporate into spelling instruction.

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# **Phonemic Awareness - How**

- Phonemic awareness activities should be:
  - 1. Few in number
  - 2. Explicitly modeled

At-risk students need additional explicit instruction.

- 3. Supported by concrete materials or gestures
- 4. Designed to include all students
- 5. Introduced using instructional routines

# **Example A**

# • Blending Sounds into Words

- 1. We're going to play a say-the-word game. I'll say the sounds. You say the word.
- 2. Listen. aaaammmmm
- 3. What word? am
- 4. (Repeat with other words.)
- 5. (If time permits, check individual students.)

(Practice: am, map, sit, ship, trip)

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# **Example B**

- Segmenting words into sounds -Smooth Segmenting
  - 1. Put your fists together.
  - 2. Get ready to stretch the word.
  - 3. The word is fin. What word? fin
  - 4. Stretch it. fffiiiinnnn
  - 5. Shrink it. fin
  - 6. (If time permits, check individual students.)

(Practice: sit, list, fish, grip)

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# **Example C**

- Segmenting Words into Sounds -Separate Segmenting
  - 1. We're going to say the sounds in a word.
  - 2. Fist in the air. Put up one finger for each sound.
  - 3. The word is sat. What word? sat
  - 4. First sound? /sss/ Next sound? /aaa/ Last sound? /t/
  - 5. (If time permits, check individual students.)

(Practice: fan, fast, shop, with)

# **Example D** Advanced Phonological Awareness

# Adding Phonemes

- 1. We're going to add sounds to the beginning of words.
- 2. Say am. *am*
- 3. Add /s/ at the beginning of the word.
- 4. What word? /Sam/ Again.

Practice: am - j - jam an - p - panad - m - mad

3.4

# **Example E** Advanced Phonological Awareness

# Deleting Phonemes

- 1. The word is Pam. What word? Pam
- 2. Take away the /p/ and the word is? /am/

Practice: had - h - ad tin - t - insit - s - it

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# **Example F** Advanced Phonemic Awareness

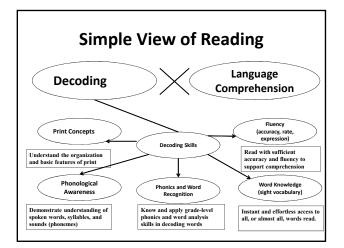
# • Substituting Phonemes

- 1. The word is bat. What word? /bat/
- 2. Change the /b/ to /k/ and the word is ....? /cat/

Practice: had - /h/ to /s/ - sad tin - /t/ to /p/ - pinsit - /s/ to /f/ - fit

# Phonics and Word Recognition

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# **Phonics and Word Knowledge**

Hattie's Effect Size for Phonics 0.70

Phoneme – Grapheme Associations Letter – Sound Associations

# Phoneme - Grapheme Associations - What Ability to say a sound in response to a grapheme (letter or letters that represent a phoneme) Phoneme - Grapheme Associations - What Sequence for introducing phoneme – grapheme associations. 1. simple\_ →complex

4. continuous → stop sounds

→uncommon

single letter graphemes before two letter graphemes

# Phoneme - Grapheme Associations - What

Example Sequence of Phoneme - Grapheme Associations
(IES Practice Guide - Foundational Skills to Support Reading for Understanding in Kikingarquen Through 3<sup>rd</sup> Grade, 2016)

Single consonant and vowel letters

- nuerguren i miougn 3-c aroue, zozio; Single consonant and vowel letters a m t s i f d r o g l h u c b n k v e w j p y x q z (Carnine, Silbert, and Kame'enul, 1997)
- Consonant blends

2. common-

m and s before x and z 3. minimize confusion separate b and d separate m and n

bl cl fl gl pl sl cr dr gr pr tr br fr sm sp st sw sc

- Consonant digraphs th sh ch ph ng tch dge
- Long vowels with silent e a-e i-e o-e u-e e-e
- $\textbf{Two-letter vowel teams} \ (\text{combination of letters standing for single vowel sound}) \ \text{ai ay ea ee ey oa ie } \text{igh}$

# Letter - Sound Associations - Why

- Letter-Sound Knowledge involves pairing visual memory with phonological memory.
- "Letter-sound knowledge is essential for both phonic decoding and for storing words in one's sight vocabulary." (Kilpatrick, p. 64)
- If students have difficulty with letter-sound associations, not visual memory but phonological memory. (Kilpatrick, p. 33)

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# **Letter-Sound Associations - Why**

- English is an alphabetic language.
- Students with letter-sound associations **perform better**. (Juel, 1991)
- Students benefit from early, systematic introduction to letter-sound associations.

"Phonics instruction provides the biggest impact on growth when begun in kindergarten or first grade before children have learned to read independently."

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# **Letter-Sound Associations - Why**

 Good readers rely primarily on the letters in a word rather than context or pictures to identify/pronounce familiar and unfamiliar words.

(Ehri, 1994; Kilpatrick, 2015; Seidenberg, 2017)

# Letter - Sound Associations - How

- Provide explicit instruction (rather than implicit instruction) to introduce phoneme – grapheme associations
- Teach phoneme grapheme associations to a high level of mastery
- Provide cumulative review
- Differentiate between **continuous** and **stop** sounds

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# **Letter-Sound Associations**

Example A – Introducing within word and then isolating the grapheme

# sat

- 1. (Point to example word.) This word is sat .
- 2. (Point to the underlined grapheme.) This is the letter a. This sound is /aaaa/.
- 3. Say the sound with me. /aaaa/
- 4. What sound? /aaaa/

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# **Letter – Sound Associations**

Example B – Introducing the phoneme – grapheme association in isolation

# a

- 1. (Point to letter.) This is the letter a. This sound is /aaaa/.
- 2. Say the sound with me. /aaaa/
- 3. What sound? /aaaa/

# **Letter - Sound Associations**

# Example C

# Introducing the

- phoneme grapheme association
- using a memorable picture and
- letter of the alphabet



"The letter P is for Pig, who is very pleasant when asking for pizza. Pig says, 'P-p-please, may I have some pizza?"

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# **Letter-Sound Associations**

# Fun facts about Letter-Sound associations:

Finnish, Spanish, and Italian have a **one to one** correspondence between letters and sounds. Kids learn to decode quite quickly in these countries.

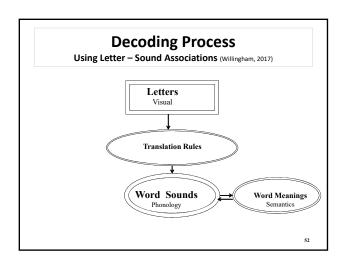
English, French, Danish, and Portuguese have **"one to many"** systems and readers lag behind in primary grades.

However, by fourth grade readers in these countries catch up.  $\mbox{\sc willingham, }\mbox{2017}$ 

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# **Phonics and Word Knowledge**

**Decoding Single Syllable Words** 



# Decoding Single Syllable Words – What Syllable Patterns

Syllable Pattern	Single Syllable Words	Multi-Syllable Words
Closed Syllables VC CVC CCVC CVCC A syllable with a short vowel, spelled with a single vowel letter ending in one or more consonants.	am, sat, brat, math	rab bit, in sect, nap kin, top ic, pun ish, kit ten
Open Syllables CV CCV A syllable that ends with a long vowel sound, spelled with a single vowel letter.	me, he, she, hi no, go, ho	pro test, tor na do, si lent, hu man, ro bot, re lax
Silent e CVCe CCVCe A syllable with a long vowel, spelled with one vowel + one consonant + silent e.	mine, cave, ripe, tape, shape, whale, shine	in vite, ex cite, pan cake, man hole, in side, nick name

# Decoding Single Syllable Words - What

Syllable Patterns (Moats, Land Tolman, C. 2009, Language Essentials for Teachers of Reading and Spelling (LETRS), Sopris/Voyager)

Syllable Pattern	Single Syllable Words	Multi-Syllable Words
Vowel Team  CVVC CCVVC CVVCC  Syllables with long or short vowel spellings that use two to four letters to spell the vowel. Diphthongs ou/ow and oi/oy are included in this category.	rain, mail, deal, clean, speed, scream, least	train er, spoil age, mail man, rain bow, ex haust, pro ceed
Vowel-r A syllable with er, ir, or, ar, or ur. Vowel pronunciation often changes before /r/.	barn, fern, bird, torn, yard	per form, yard stick, sports man, sur plus, morn ing, dis turb
Consonant –le An unaccented final syllable that contains a consonant before /l/, followed by a silent e.		mid dle, pud dle, ma ple can dle, fid dle, ea gle

# **Decoding Single Syllable Words - Why**

- Decoding is **necessary** though not sufficient for comprehension.
  - "There is no comprehension strategy powerful enough to compensate for the fact you can't read the words." (Archer, 2008)
- Ability to blend individual sounds into recognizable words is a critical component of reading. (Beck, 2006)
- Diverse learners must be encouraged to look carefully at spelling and sounds and to repeatedly sound out and blend words. (Reitsma, 1983)

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# **Decoding Single Syllable Words - Why**

- That direct instruction in alphabet coding facilitates early reading acquisition is one of the most well established conclusions in all of behavioral science.
- The first grader decoding ability continues to be a major factor in comprehension as students progress through the grades. (The Connecticut Longitudinal Study)

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# **Decoding Single Syllable Words – Why**

- Students who receive systematic phonics instruction have better comprehension at the end of 2<sup>nd</sup> and 3<sup>rd</sup> grades. (Kilpatrick, 2015)
- Poorly developed word recognition skills are the most pervasive and debilitating source of reading challenges. (Adams, 1990; Perfetti, 1985; Share & Stanowich, 1995)
- John Hattie Effect Size for Phonics Instruction = 0.70

# **Decoding Single Syllable Words – How**

- As soon as a sound is learned, incorporate the sound into words.
- Model blending of sounds into words.
- Provide an adequate amount of **practice** on decodable words to build word fluency.

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# **Decoding Single Syllable Words – How**

- Utilize **instructional routines** to introduce specific types of words.
- Pair **decoding** and **encoding** of words.
  - Decoding and encoding rely on the same underlying knowledge. (Joshi, 2008 – 2009; Moats, 2005 – 2006)
  - Linking spelling and decoding instruction deepens children's knowledge of the written system. (Brady 2012; Yopp, Hallie, & Yopp, 2011)
  - Hattie's Effect Size for Spelling Programs 0.58

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# Decoding Strategy for Short Words

- 1. Say the sounds.
- 2. Say the sounds fast. (quickly)
- 3. Say the word.
- 4. Ask yourself

Is it a real word?

Does it make sense?

# **Example A - Sound by Sound Blending**

Sounding Out VC, CVC, CVCC, CCVC words

# mom top shop dot

- 1. (Write the first letter on the board.) What sound?
- 2. (Write the second letter on the board.) What sound?
- 3. (Move your hand under the two letters.) Blend it.
- 4. (Write the third letter.) What sound?
- 5. (Move your hand under the letters.) Blend the sounds.
- 6. What word?

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# **Example B - Continuous Blending**

# Sounding Out VC, CVC, CVCC, CCVC words sip fit lip tip rim

- 1. When I touch a letter, I'll say its sound. I'll keep saying the sound until I touch the next letter. I won't stop between sounds.
- 2. My turn to sound out this word. (Touch under each letter and say the sound. Hold continuous sounds. Say stop sounds quickly. Don't stop between sounds.)
- 3. Sound out this word with me. (Touch under each letter.)
- 4. Your turn. Sound out this word by yourselves. (Touch under each letter.)
- 5. What word? (Glide your finger under the word.)

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# **Example C Sounding Out Words with Vowel Team**

# rain train pant paint sail seal

# **Precorrection Procedure**

- 1. (Point to the underlined letters.) What sound?
- 2. (Point to the word.) What word?
- 3. (Have students reread the list without the precorrection.)
- 4. (Have individual students read the words or have them read the words to their partner.)

# Example D CVCE words – Sound Blending

# like mine fit fine

- 1. (Point to the first letter.) What sound?
- 2. (Point to the vowel and final e.) What sound?
- 3. (Point to the consonant.) What sound?
- 4. (Glide finger under the word.) Blend it.
- 5. What word?

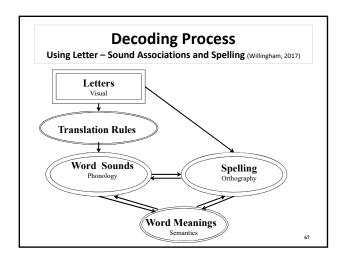
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# Example E - Decoding Words with Onset Rime

- 1. (Point to rime.) What part? an
- 2. Get ready to read words that end with an.
- 3. (Point to new word.) What word? ran
- 4. (Point to next word.) What word? fan
- 5. (Continue with additional words.)
- 6. (Reread the list more rapidly.)
- Note: Reading "word families" reinforces spelling patterns within words and is an excellent way to build word reading fluency. Practice the "word family" until students are very fluent. Use choral reading and partner reading.

an
ran
fan
man
tan
pan
ban
can
Stan
plan

#### High frequency rimes (phonograms) -at -ell -it -ug -eat -in -op -ump -an -est -ill -ock -unk -ap -oke -uck -ack -ip -ail -ice -ore -ine -ain -ake -ide -ick -ale -ing -ame -ink -ash -ight -ate -aw -ay



# **Phonics and Word Knowledge**

**Decoding Multisyllabic Words** 

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# **Decoding Strategy for Long Words**

- 1. Say the parts.
- 2. Say the parts fast. (quickly)
- 3. Say the word.
- 4. Ask yourself

Is it a real word?

Does it make sense?

# Decoding of Multisyllabic Words – How - Pronunciation

- Rather than using rigid, rule-directed syllabication to divide words into parts, students are taught to recognize the parts in a flexible manner. (Archer et al. 2003, 2006; Bhattacharya & Ehri, 2004)
- Putting words into "decodable chunks" using prefixes, suffixes, and vowels should be stressed. (Archer et al. 2006)

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# Example A Decoding of Multisyllabic Words (Loop, Loop, Loop Strategy)

# Decoding of Multisyllabic Words (Loop, Loop, Loop Strategy)

(Preparation: Segment the word into decodable chunks. Add loops under the word to indicate decodable chunks.)

# rabbit napkin kitten

- 1. (Move finger under the first part.) What part?
- 2. (Repeat for remaining parts.)
- 3. (Move finger quickly under the parts.) What part? What part? What part?
- 4. What word?
- 5. Is that a real word?

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# Example A Decoding of Multisyllabic Words (Loop, Loop, Loop Strategy)

# Decoding of Multisyllabic Words (Loop, Loop, Loop Strategy)

(Preparation: Directly teach the pronunciation of prefixes and suffixes. Segment the word into decodable chunks. Be sure that prefixes and suffixes are separate parts. Draw loops to segment the words.)

# instruction commitment remarkable

- 1. (Move finger under the first part.) What part?
- 2. (Repeat for remaining parts.)
- 3. (Move finger quickly under the parts.) What part? What part? What part?
- 4. What word?
- 5. Is that a real word?


# Example B Decoding of Multisyllabic Words (Strategy Instruction)

# Decoding of Multisyllabic Words (Strategy Instruction)

**(Preparation:** Directly teach students the pronunciation of prefixes and suffixes. Select multisyllabic words with focus affixes for decoding practice. Guide students in using the following strategy,)

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# **REWARDS Strategy**

# • Overt Strategy

- 1. Circle the prefixes.
- 2. Circle the suffixes.
- 3. Underline the vowels.
- 4. Say the parts of the word.
- 5. Say the whole word.
- 6. Make it a real word.

reconstruction instruction unconventionality

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# The Most Common Prefixes in English

Prefix	Meaning	% of prefixed words	Examples
un	not; opposite	26%	uncover, unlock, unsafe
re	again; back	14%	rewrite, reread, return
in/im/ir/il	not; into	11%	incorrect, insert, inexpensive, illegal, irregular, inability
dis	away, apart, negative	7%	discover, discontent, distrust
en/em	cause to	4%	enjoy, endure, enlighten, entail
mis	wrong; bad	3%	mistake, misread, misspell, misbehave
pre	before	3%	prevent, pretest, preplan
pro	in favor of	1%	protect, profess, provide, process
а	not; in, on, without	1%	atypical, anemia, anonymous, apolitical, apathy

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#### **Most Common Suffixes in English** Suffix Meaning %of prefixed Examples words more than one 31% movies, wishes, hats, amendments ed past tense in the past 20% walked, jumped, helped ing present tense In the present 14% walking, jumping, helping 7% quickly, fearfully, easily, happily, majestically, nonchalantly how something is ly adverb 4% teacher, tailor, conductor, boxer, baker, survivor, orator one who, what/that/which ion, tion, sion noun 4% action, erosion, vision, invitation, conclusion, condemnation state, quality; act able, ible adjective able to be, can be done 2% comfortable, likable, enjoyable, solvable, sensible, incredible al, ial adjective 1% related to, like fatal, cordial, structural, territorial, categorical

ed	able/ible	un	con
s	ture	re	com
ing	an/en	mis	mono
у	ice	non	со
ly	is	in	sub
er	ize	im	super
est	tion	en	
less	sion	per	
ness	ian	be	
al/el	ion	de	
age		ex	

# Phonics and Word Knowledge Irregular Words

# Irregular words - What

Distinction between three terms

#### High frequency words

- Only 100 words account for approximately 50% of the words in English print.
- Only 13 words (a, and, for, he, is, in, it, of, that, the, to, was, you) account for 25% of words in print.

# Irregular words

- Words that cannot be sounded out accurately using the most common sounds for graphemes.
- Many high frequency words are irregular.

# Sight vocabulary

- Words that are recognized instantly.
- The quick and automatic recognition of most common words appearing in text is necessary for fluent reading.

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# **Irregular Words - What**

#### · Irregular words in English

- Nearly all English words represent every sound in the spoken word, even if they represent some sounds irregularly.
- Most irregular words have only one irregular letter sound association.

Examples: been, from, both

More than one irregular letter – sound association

one once sugar bouquet

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# **The Orthographic Mapping Process**

	Phonological L	ong-Term Memory	
Whole-Word Pronunciation	/rěd/	/sīd/	/frŭm/
Pronunciation Phonemically Analyzed	/r/ /ĕ/ /d/	/s/ /ī/ /d/ <b>\                                    </b>	/f/ /r/ /ŭ/ /m/
Written Form of Word	red Regular Word 1:1 Letter to Sound	side Regular Word Not 1:1 Letter to Sound	from Exception Word 1:1 Letter to Sound

Kilpatrick, 2015, page 107

# **Example A**

# Irregular Words - Sounding Out

# was

1. (Write the word on the board.) Sound out this word. /waaaasssss/

- 2. (Say the word in a sentence.) Tom /waaaassss/ in the room.
- 3. Is that a real word? no
- 4. What do we say? was
- 5. (Carefully examine the word with the students, determining the "tricky" part of the word.)

# **Phonics and Word Knowledge**

**Reading Decodable Text** 

# Decoding Text- What A Critical Distinction

# **√** Predictable Books

- -Books in which you can predict words given the nature of the text. -Excellent for teaching the structure of oral language.
- -If used as initial reading materials, may promote guessing.

# **√** Leveled Books

- -Books that are labeled by level of readability.
- -Useful in matching books to students who read over third grade level.
- -Since leveled books do not control for the order of introduction of sounds or  $% \left\{ 1,2,\ldots ,n\right\}$ irregular words, less useful in beginning reading.

# **√** Decodable Text

- -Text material in which the students can read ALL the words because:
  - -the words contain known sounds
  - -the irregular words have been taught
  - -the story words have been taught

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# **Decodable Text - Why**

# Decodable texts -

- Opportunity to apply what students are learning about the alphabetic code. (Cheatham & Allor, 2012)
- Decodable text prompts use of what students have learned. (Adam, 2009)

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Non-1

3. Planting Crops

A big plot of land with a lot of plants on it is said to be a crop. Crops are planted. Lots of plants can be crops: bananas, carrots, and melons. Cotton is a crop, as well. You have to get crops wet often. The sun helps crops get big. You cannot let pests kill the plants. Frost can kill crops as well. But you cannot stop frost. You just have to have luck.



# Using Phrases for Practice

- an egg in an egg cup
- · a hug and a kiss
- on top of a rock
- a bag of nuts
- got the log hut
- a duck and a hen
- · sit back to back

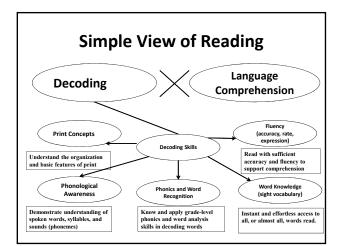
# Using Wiggly Words for Practice

- sit up
- lift hands
- 1 hand up
- 1 hand down
- · hop up and down
- clap and clap and clap

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# **Word Knowledge**

**Sight Vocabulary** 



# Word Knowledge (sight vocabulary)

- How do students remember words they no longer need to sound out?
- False Assumption: Students use visual memory to remember words as they would in remembering the label for a book or table.
- Research Conclusion:

Brain activity is NOT the same for naming objects and reading words. (Kilpatrick, p. 30)

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# Word Knowledge (sight vocabulary)

- How do students remember words they no longer need to sound out?
- We input written words visually but we do not store them visually. Kilpatrick, p. 33
- Words are stored:
- phonologically (pronunciation)
- orthographically (spelling)
- semantically (meaning)

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# Word Knowledge (sight vocabulary)

 How do students remember words they no longer need to sound out?

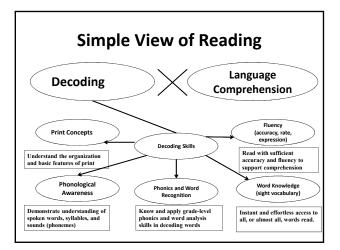
# Notes of interest:

- From second grade on, skilled readers only need one to four exposures for a word to become a sight word.
- The speed with which children in 1st and 2<sup>nd</sup> turn an unfamiliar word into a sight word is a KEY PREDICTATOR of those who will struggle later. (Kilpatrick, p. 35)

# **Fluency**

accuracy, appropriate rate, expression

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# Fluency - What

- The ability to effortlessly read words accurately and quickly.
- The ability to read connected text accurately with appropriate rate and expression (prosody). (Judson, Mercer, & Lane, 2000)

# Fluency - What?

 "The ability to read connected test rapidly, smoothly, effortlessly, and automatically with little conscious attention to the mechanics of reading such as decoding." (Maryer & Fellon, 1999)

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# 2005 Hasbrouck & Tindal Oral Reading Fluency Data

Jan Hasbrouck and Genial Tindal completed an extensive study of crait reading fluency in 2004. The results of their study are published in the technical report. "Oral Reading Fluency: 90 Years of Measurement," (but uoregon edutech\_reports.htm), and in the article, "Oral Reading Fluency Norms: A Valuable Assessment Tool...," in the April 2006 issue of The Reading Teacher (www.reading.org/publications/journals/RT/).

The table below shows the mean oral reading fluency of students in grades 1 through 8 as determined by Hasbrouck and Tindal's data.

You can use the information in this table to draw conclusions and make decisions about the oral reading fluency of your students. Students who score 10 or more words below the 50th percentile using the average score of two unpracticed readings from grade-level materials need if fluency-building program. In addition, isachers can use the table to set the long-term fluency goals for their struggling readers.

you can expect from a student. It was calculated by subtracting the fall score from the spring score and dividing the difference by 22; the thysical number of weeks between the fall and spring assessments. For grade 1, since there is no fall assessment, the variety severify improvement was calculated by subtracting the witter score from the spring score and witter and spring assessments.

Explor By regarding Fall Winter Spring Avg. Weekly

Grade	rercentile	MCbW.	MCbW.	MCbW.	Improvement**
	90		81	111	1.9
	75		47	82	2.2
1	50		23	53	1.9
	25		12	28	1.0
	10		6	15	0.6
	90	106	125	142	1.1
	75	79	100	117	1.2
2	50	51	72	89	1.2
	25	25	42	61	1.1

	75	99	120	137	1.2		
	3	50	71	92	107	1.1	
		25	44	62	78	1.1	
		10	21	36	48	0.8	
		90	145	166	180	1.1	
0		75	119	139	152	1.0	
ge La	4	50	94	112	123	0.9	
et		25	68	87	98	0.9	
		10	45	61	72	0.8	
		90	166	182	194	0.9	
		75	139	156	168	0.9	
d	5	50	110	127	139	0.9	
i.	1	25	85	99	109	8.0	
		10	61	74	83	0.7	
		90	177	195	204	0.8	
		75	153	167	177	0.8	
_	6	50	127	140	150	0.7	
		25	98	111	122	0.8	
		10	68	82	93	0.8	
7		90	180	192	202	0.7	
		75	156	165	177	0.7	
_	7	50	128	136	150	0.7	
		25	102	109	123	0.7	
		10	79	88	98	0.6	
_		90	185	199	199	0.4	
		75	161	173	177	0.5	
	8	50	133	146	151	0.6	
		25	106	115	124	0.6 98	
		10	77	84	97	0.6	

# **Factors Effecting Rate**

Proportion of words in text that are recognized as "sight words".

Sight words include any word that readers have practiced reading sufficiently often to be read from memory." (Ehri, 2002)

- 2. Speed of decoding strategies used to determine the pronunciation of unknown words.
- 3. Speed with which word meanings are identified.
- 4. Speed at which overall meaning is constructed.

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# Fluency - Why

- Fluency is related to reading comprehension.
   (Cunningham & Stanovich, 1998; Fuths, Fuths, & Maxwell, 1988; Jenkins, Fuths, Espin, van den Broek, & Deno, 2000
   Reachiek, 2011: Samuela, 5006; Sharabha, 2016.
- When students read fluently, decoding requires less attention. Attention can be given to comprehension.

  [Samuels, Schermer, & Reinking, 1992]

10

# Fluency - Why

- Laborious decoding and low fluency results in little reading. (Moats, 2001)
- An accurate, fluent reader will read more. (Cunningham & Stanovich, 1998; Stanovich, 1993)
- The rich get richer. The poor get poorer. (Stanovich, 1986)

# Fluency - Why

- Fluent readers complete assignments with more ease.
- Fluent readers will also perform better on reading tests.
- Fluency is a **critical component** of reading instruction. (Chard, Vaughn, & Tyler, 2002; Kuhn & Stahl, 2000; National Reading Panel, 2000)

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# Fluency - How

PRACTICE PRACTICE PRACTICE PRACTICE PRACTICE and more PRACTICE

10-

# **Fluency**

Procedure #1. Provide extensive reading practice.

Utilize procedures such as augmented silent reading, choral reading, cloze reading, and partner reading that promote maximum practice for all students.

# Passage Reading - Silent Reading

# Silent Reading (Or Whisper Reading)

- Pose pre- reading question.
- Tell students to read a certain amount and to reread material if they finish early.
- Monitor students' reading. Have individuals whisper-read to you.
- Pose post-reading question.

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# Passage Reading - Echo Reading

# Echo Reading

- Teacher reads a word, phrase or sentence.
- Students "echo" read the word, phrase or sentence.
- Useful for building fluency and expression.
- Needs to be faded as students grow in reading skills.

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# Passage Reading - Choral Reading

# **Choral Reading**

- Read selection with your students.
- Read at a moderate rate.
- Tell your students, "Keep your voice with mine."

(You may wish to have the students pre-read the material silently before choral reading.)

# Passage Reading - Cloze Reading

# **Cloze Reading**

- Read selection.
- Pause on "meaningful" words.
- Have students read the deleted words.

(Excellent practice for reading initial part of a chapter or when you need to read something quickly.)

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# Passage Reading - Individual Turns

# **Individual Turns**

- Use with small groups.
- Call on an individual student.
- Call on students in random order.
- Vary the amount of material read.

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# Passage Reading - Partner Reading

Reader whisper reads to partner.

Narrative: Alternate by sentence, page, or time (5 minutes).

Informational Text: Alternate by paragraph.

Coach corrects errors.

Ask - Can you figure out this word?
Tell - This word is \_\_\_\_\_. What word? Reread the sentence.

# Alternatives to support lowest readers

- Students read the material together.
- First reader (better reader) reads material. Second reader reads the SAME material.
- Lowest readers placed on a triad.
- Before reading, students can say ME (I will read.) OR WE (Please read with me.)

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# **Fluency**

# Procedure #2. Encourage wide independent reading.

- Read interesting text at reading level to build fluency. (Carnegie, 2010)
- To build fluency students should read materials that are not too challenging but not too easy. (Moats, 2011)

# Fluency - How

**Procedure #3**. Provide repeated reading activities. John Hattie Effect Size for Repeated Reading = 0.75

#### **Repeated Reading**

- Student reads the same material a number of times (at least three)
- General procedure
  - Cold-timing (one minute timing without prior practice)
     Practice (rereading of material to increase fluency)

  - 3. Hot-timing (one minute timing)
- Often coupled with the following interventions
  - Modeling done by teacher or listening to tape
    Self-monitoring of progress through graphing

#### After the Rain

Part 1
Chuck, Kim, and Nick played with the ship. "I will be glad
the when this rain stops," Chuck said. "Ships and trains are OK,
but I flink it will be fun to check on that shed on the trail."

"Look!" said Kim. "Is that a faint ray of sun I see in
the west?" Just then, the rain stopped.

"Let's go?" said Nick. "You stick the ship and the train
back on the shelf, and I will tell my mom."

Part 2
Chuck and Kim sped up the wet trail. "Wait! Wait!"
Nick sald with a pant. Kim and Chuck sat on a gray rock
and waited. The shed was just up the trail.
"My dad said that this trail led to the train tracks when
my mom and dad were kids," Nick said. "He said that mail
going on the next train was kept in the shed."
"Well, let's go check the mail shed then," said Kim.

Part 3
"It's just junk," Chuck said. "I see paint cans, a paintbrush, a bent tray, pails, and lots of dust."
"This is not junk," said Nick as he held up a mail sack.
"Look. This sack is from the Clay Trail Mail Run. This must be Clay Trail. Dad said mail was kept in this shed. I bet it will shock Dad to see the mail sack. He may faint!"




# Fluency - How Small Group Procedure

# 1. Cold-timing

- Time the students for one minute as they whisper read.
- Have them underline difficult words and circle the last word read.
- Have them determine the correct number of words read.

# 2. Accuracy-Practice

- Chorally read the material with your students.
- You may select to do this more than one time.

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# Fluency - How Small Group Procedure (continued)

# 3. Fluency Building - Practice

- Have students whisper-read as you time them for one minute.
- Students should try to read beyond cold-timing.

# 4. Hot-timing

- Have students exchange papers with their partners.
- Have the first reader read for a minute as the partner underlines any errors and circles the past word.
- Repeat the same step with the second reader.
- Have partners determine the number of correct words read for their partner.
- Have students graph their cold and hot timings.

Simple View of Reading (See IES Practice Guide)

Decoding

Language
Comprehension

Academic Language
Skills

Background
Knowledge

Possesses general and
words common in books and school
linferential
Language Skills

Narrative Language
Skills

Academic
Vocabulary

Ability to infer information
that is not provided in the text

Ability to clearly relate a
series of events

Ability to comprehend and
use words in formal writing


	Language	
	Comprehension  Ability to understand spoken language	
Notes of Intere		
	age comprehension skills of $K-12$ studes sents the outer limit of their potential roll. Kilpatrick, p. 73	
"When word re language comp negligible." Kilpati	eading is skillful, the differences betwee prehension and reading comprehension rick, p. 74	en is
		118
	Let us not forget.	
foundat	ehension is built on the tion skills of decoding ar	nd
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# Thank You

• May you thrive as an educator.