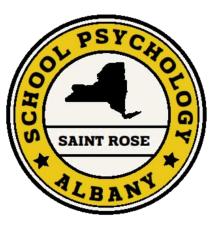






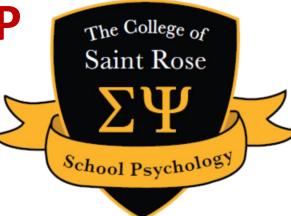
# USING THE SIMPLE VIEW OF READING TO FOSTER SP AND SLP COLLABORATION IN THE IDENTIFICATION OF AND INTERVENTION FOR CHILDREN WITH DYSLEXIA



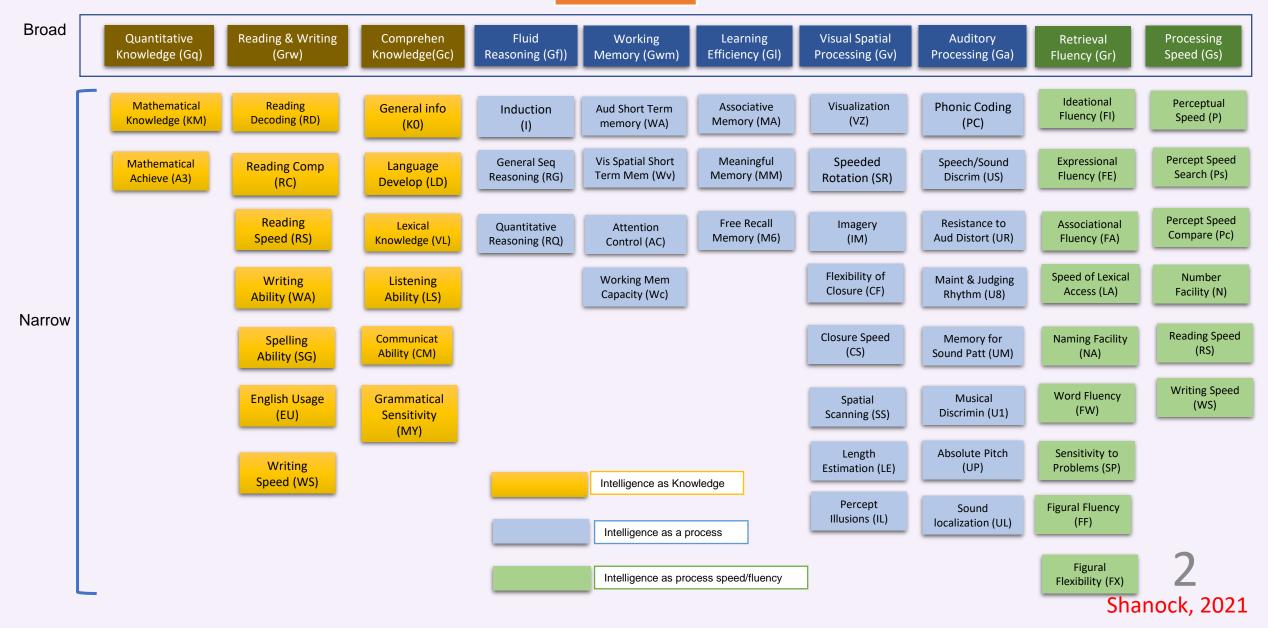
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## General Intelligence (g)



The Cattell-Horn-Carroll (CHC) taxonomy of human abilities (v 2.4) (Schneider & McGrew, 06-20-16) Gc Gkn Grw Gq Gf Gwm	(The tentative broad abilities of <i>Gh</i> , <i>Gk</i> , <i>Go</i> , <i>Gk</i> , <i>Gp</i> , <i>Gps</i> & <i>Gei</i> and all broad domain level I narrow abilities omitted for readability purposes.) <b>Gv Ga GI Gr Gs Gt</b>
<b>Comprehension-knowledge (Gc)</b> : The depth and breadth of declarative and procedural knowledge and skills valued by one's culture. Comprehension of language, words, and general knowledge developed through experience, learning and acculturation.	Visual-spatial processing (Gv): The ability to use mental imagery, store images in primary memory, or perform visual-spatial analysis or mental transformation of images in the "mind's eye."
<b>Domain-specific knowledge (Gkn):</b> The depth, breadth, and mastery of specialized declarative and procedural knowledge typically acquired through one's career, hobby, or other passionate interest. The <i>Gkn</i> domain is likely to contain more narrow abilities than are currently listed in the CHC model.	<b>Auditory processing (Ga):</b> The ability to perceive, discriminate, and manipulate sounds and information received through the ears. Includes the processing of auditory information in primary memory and/or the activation, restructuring, or retrieval of information from semantic-lexical memory based on phonemes.
<b>Reading and writing (Grw):</b> The depth and breadth of declarative and procedural knowledge and skills related to written language or literacy.	<i>Learning efficiency (GI):</i> The ability and efficiency to learn, store, and consolidate new information in long-term memory.
<b>Quantitative knowledge (Gq):</b> The depth and breadth of declarative and procedural knowledge related to mathematics. The <i>Gq</i> domain is likely to contain more narrow abilities than are currently listed in the CHC model.	<b>Retrieval fluency (Gr):</b> The rate and fluency at which individuals can produce and retrieve verbal and nonverbal information or ideas stored in long-term memory.
<i>Fluid reasoning (Gf):</i> The use of deliberate and controlled focused attention to solve novel "on the spot" problems that cannot be solved solely by using prior knowledge (previously learned habits, schemas, or scripts). Reasoning that depends minimally on learning and acculturation.	<b>Processing speed (Gs):</b> The ability to control attention to automatically and fluently perform relatively simple repetitive cognitive tasks. Attentional fluency.
<b>Short-term working memory (Gwm):</b> The ability to encode, maintain, and/or manipulate auditory or visual information in primary memory (while avoiding distractions) to solve multiple-step problems. The mind's mental "scratchpad" or "workbench."	Reaction and decision speed (Gt):       The speed at which very simple perceptual discriminations or decisions can be made.       3         © Institute for Applied Psychometrics;       Kevin McGrew 06-21-16       3

### SUMMARY OF RELATIONS BETWEEN CHC ABILITIES AND SPECIFIC AREAS OF ACADEMIC ACHIEVEMENT (BERNINGER. 2013: FLANAGAN AND COLLEAGUES. 2006. 2013: MCGREW & WENDLING. 2010: MCGREW ET AL.. 2014)

	<b>Reading Achievement</b>	Math Achievement	Writing Achievement
Gf	Inductive (I) and general sequential reasoning (RG) abilities play a moderate role in <b>reading comprehension</b> .	Inductive (I) and general sequential (RG) reasoning abilities are consistently very important for math problem solving at all ages.	Inductive (I) and general sequential reasoning abilities (RG) are consistently related to <b>written</b> <b>expression</b> at all ages.
Gc	Language development (LD), lexical knowledge (VL), and listening ability (LS) are important at all ages for reading acquisition and development. These abilities become increasingly important with age.	Language development (LD), lexical knowledge (VL), and listening abilities (LS) are important at all ages. These abilities become increasingly important with age.	Language development (LD), lexical knowledge (VL), and general information (K0) are important primarily after about the 2 <sup>nd</sup> grade. These abilities become increasingly important with age.
Gsm	Memory span (MS) and <b>working memory</b> <b>capacity (WM) or</b> attentional control. <b>Gwm</b> <b>important for overall reading success.</b>	Memory span (MS) and <b>working memory</b> <b>capacity (WM) or</b> attentional control. <b>Gmw</b> <b>important for overall math success.</b>	Memory span (MS) is important to writing, especially <b>spelling</b> skills whereas working memory has shown relations with advanced writing skills (e.g., <b>written expression</b> ). Gmw important for overall writing success.
Gv	Orthographic Processing (often measured by tests of perceptual speed) – <b>reading fluency</b>	Visualization (VZ) is important primarily for higher level or <b>advanced mathematics</b> (e.g., geometry, calculus).	Orthographic Processing (often measured by tests of perceptual speed) - <b>spelling</b>
Ga	Phonetic coding (PC) or "phonological awareness/processing" is very important during the elementary school years for the development of basic reading skills.		Phonetic coding (PC) or "phonological awareness/processing" is very important during the elementary school years for both basic writing skills and written expression (primarily before about grade 5).
Glr	Naming facility (NA) or "rapid automatic naming" (also called speed of lexical access) is very important during the elementary school years. Associative memory (MA) is also important.	Naming Facility (NA; or speed of lexical access); Associative Memory (MA) – rapid retrieval of basic math facts	Naming facility (NA) or "rapid automatic naming" (also called speed of lexical access) has demonstrated relations with written expression, primarily writing fluency.
Gs	Perceptual speed (P) abilities are important during all school years, particularly the elementary school years.	Perceptual speed (P) abilities are important during all school years, particularly the elementary school years.	Perceptual speed (P) abilities are important during all school years for basic writing and related to all ages for written expression.

# REDUNDANCY

WJ/WESCHLER	TAPS	Time to Administer
Sound Blending	Phonological Blending	10 min.
Auditory Attention	Word Discrimination	10 min.
Numbers Reversed	Number Memory Reversed	5 min.
Memory for Words	Word Memory	5 min.
Sound Awareness	Phonological Segmentation	10 min.
Sentence Repetition	Sentence Memory	5 min.
	Auditory Comprehension	
	Auditory Reasoning	
Digit Span	Numbers Forward	5 min. ₅ <b>5</b>

Cluster	Test Battery	Subtest Name	Standard Score	Confidence Interval (68%)	Percentile	Classification
Background Ki	nowledge (Gc)		109	101 to 111	65	Average Range
Breadth and	WISC V	Similarities	110	103 to 117	75	High Average
depth of acquired	WISC V	Vocabulary	110	103 to 117	75	High Average
cultural	WJ-IV	General Information	98	91 to 105	35	Average Range
knowledge	CELF-5	Word Classes	110	103 to 117	75	High Average
and its effective application	CELF-5	Semantic Relationships	115	108 to 122	84	High Average

## **Culture-Language Test Classifications - Reference**

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100%

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Conceptualization by D. P. Flanagan, S. O. Ortiz, & V. C. Alfonso; Programming by S. O. Ortiz and A. M. Dynda. Copyright 2017 © Samuel O. Ortiz, Dawn P. Flanagan & Vincent C. Alfonso. All Rights Reserved

	DEGREE OF LINGUISTIC DEMAND	
LOW	HIGH	
1. LOW LANGUAGE - LOW CULTURE (Tier 1)	2. MOD LANGUAGE - LOW CULTURE (Tier 2)	3. HIGH LANGAUGE - LOW CULTURE (Tier 3)
ASA Tonal Discrimination (Ga:U1,U9)	ASA Blending (Ga:PC)	Bateria III COG Formacion de Conceptos (Gf:I)
ASA Tonal Patterning (Ga:US,UM;Gsm:MS)	ASA Mimicry (Gsm:MS)	Bateria III COG Memoria de Trabajo Auditivo (Gsm:MW)
Bateria III COG Atencion Auditiva (Ga:UR)	ASA Rhyming (Ga:US,UR)	CAS2 Verbal-Spatial Relations (Gsm:MW;Gc:LS)
Bateria III COG Integracion de Sonidos (Ga:PC)	Bateria III COG Analisis-Sintesis (Gf:RG)	CELF-4 Familiar Sequences (Gsm:MS,MW)
Bateria III COG Palabras Incompletas (Ga:PC)	Bateria III COG Rapidez en Decision (Gs:P)	CELF-4 Number Repetition-Forward (Gsm:MS)
Bateria III COG Reconocimiento de Dibujos (Gv:MV)	Bateria III COG Relaciones Espaciales (Gv:Vz)	CTOPP-2 Rapid Digit Naming (Glr:NA)
Beery VMI Test of Visual Perception (Gv:Vz)	CAS2 Planned Codes (Gs:R9)	DAS-II Recall of Digits-Forward (Gsm:MS)
Beery VMI Test of Visual-Motor Integration (Gv:Vz;Gp:P1)	CAS2 Planned Number Matching (Gs:P)	D-KEFS Design Fluency Test: Empty Dots Only (Glr:FF)
CAS2 Figure Memory (Gv:MV,CF)	CAS2 Visual Digit Span (Gsm:MS)	D-KEFS Design Fluency Test: Filled Dots (Glr:FF)
CAS2 Matrices (Gf:I)	CELF-4 Number Repetition-Backward (Gsm:MW)	D-KEFS Design Fluency Test: Switching (GIr:FF)
CAS2 Number Detection (Gs:P)	CTMT Trial 5 (Gs:P;Gsm:MW)	FAM Numeric Capacity (Gsm:MS)
ChAMP Objects (Gv:MV)	CTOPP-2 Memory for Digits (Gsm:MS)	KBNA Praxis (Gc:K0;Gp:P1)
ChAMP Objects Delayed (Gv:MV)	CTOPP-2 Sound Matching (Ga:PC)	NAB Digits Forward (Gsm:MS)
CTMT Trial 1 (Gs:R9)	DAS-II Recall of Digits-Backward (Gsm:MW)	SB5 Nonverbal Working Memory (Gsm:MS,MW)
CTMT Trial 2 (Gs:P)	DAS-II Speed of Information Processing (Gs:P)	SCAN-3:A Filtered Words (Ga:PC)
CTMT Trial 3 (Gs:P)	DTVP-3 Form Constancy (Gv:Vz,CF)	SCAN-3:C Filtered Words (Ga:PC)
CTONI-2 Geometric Analogies (Gf:I)	FAM Spatial Memory (Gv:MV)	TAPS-3 Number Memory Forward (Gsm:MS)
CTONI-2 Geometric Sequences (Gf:RG)	KABC-II Block Counting (Gv:Vz)	TOMAL-2 Digits Forward (Gsm:MS)
DAS-II Copying (Gv:Vz)	KABC-II Number Recall (Gsm:MS)	TOMAL-2 Letters Forward (Gsm:MS)
DAS-II Matching Letter-Like Forms (Gv:Vz)	KABC-II Rebus (Glr:MA)	TOMAL-2 Memory for Stories (Glr:MM)
DAS-II Matrices (Gf:I)	KABC-II Rebus Delayed (GIr:MA)	TOMAL-2 Memory for Stories-Delayed (Glr:MM)
DAS-II Pattern Construction (Gv:Vz)	KBNA Auditory Signal Detection (Ga:US)	WAIS-IV Digit Span (Gsm:MS,MW)
DAS-II Recall of Designs (Gv:MV)	KBNA Spatial Location (Gv:MV)	WAIS-IV Letter-Number Sequencing (Gsm:MW)
DAS-II Sequential & Quantitative Reasoning (CfrRQ)	MEVPT-3 Motor Free Visual Percention Test (Gv:\/z:Gsm:M\W)	W/ISC-IV/ Digit Span /Gsm·MS M/W/

We will not have time to discuss in depth the considerations that have to be made about culture and language when doing an assessment. Please go to Dr. Sam Ortiz's website for more information about the CLIM and CLIMATE. <u>https://facpub.stjohns.edu/~ortizs/CLIM/</u>

#### THIS PAGE IS FOR C-LIM AND RELATED DOWNLOADS ONLY

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To get the file/program you want, just review the list below and click on the link to start the download process. Your browser will either download and open the file automatically with the correct program, if your browser is set up that way, or it will simply ask you if you want the file saved to disk. Just save the file to disk if you do not know what else to do. After the download is complete, just go and find your downloads folder, look for the file in it, and double click on it to open it with an appropriate program.

Some of these files/programs are updated periodically and you may compare versions based on the release dates noted next to files/programs that have been revised.

Dr. Ortiz

#### C-LIM

<u>Culture-Language Interpretive Matrix – Basic Version v6.0 (Excel)</u> (updated 4.20.23)

#### **C-LIM INFORMATION AND RESOURCES**

C-LIM Myths & Misconceptions: What the research really shows (PDF from MIG 4/21/2023) Culture-Language Interpretive Matrix – School Psyched Podcast on YouTube from 9/2/2018 Culture-Language Interpretive Matrix – Myths and Misconceptions: A review of research (PDF) Culture-Language Interpretive Matrix – Instruction and Interpretation Tutorial – Free Version (PDF) Culture-Language Interpretive Matrix – Instruction and Interpretation Tutorial for X-BASS Version (PDF) Culture-Language Interpretive Matrix – General (Word) Culture-Language Interpretive Matrix – General (Word) Culture-Language Interpretive Matrix – Sample Validity Statements (Word) (updated 2.1.23) Sample Report Using C-LIM – Case of Carlos – Identified as SLD – 14.2 (Word) Sample Report Using C-LIM – Case of Maria – SLD not Identified – 17.2 (Word)

#### **Diverse Student True Peer Group Estimator**

<u>Diverse Student True Peer Group Estimator – D-STPGE v1.0 (Excel)</u> (updated 2.1.23)

#### Sample XBA Reports

Sample – AIR – Triennial Re-evaluation ELL with SLD – 14.7

Sample – AIR – Initial Evaluation – ELL with SLD – Option C – 13.2

Sample – ELL Initial Evaluation by Justin Potts – 12.9

Sample – Case Report by Ortiz – 15.9

Sample – Case Report – Carsam – 15.9

Sample XBA Report – Campbell – 14.2

Sample XBA Report – Hannah – 14.2

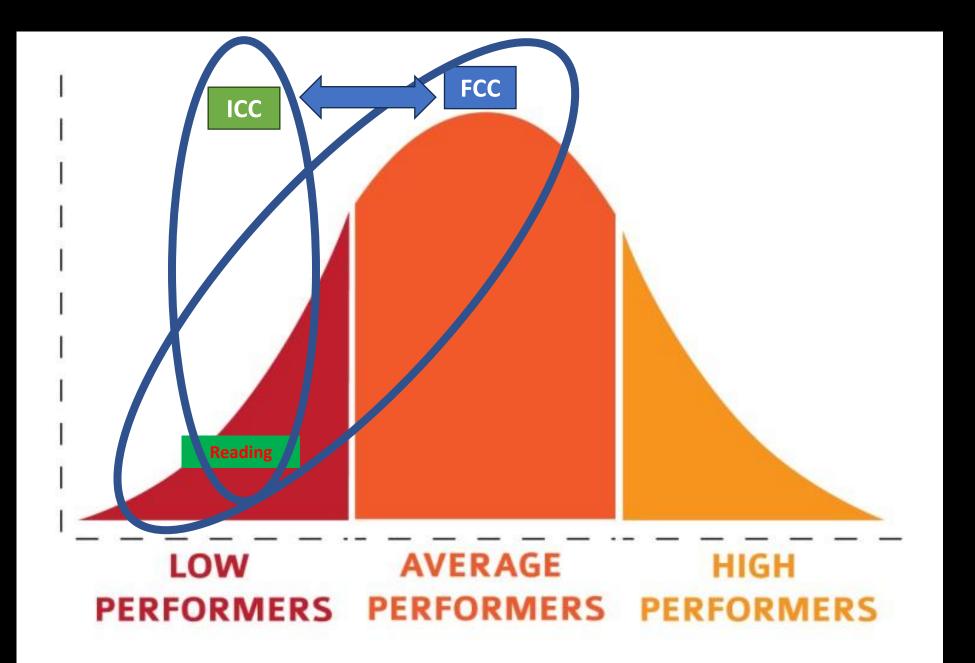
Sample XBA Report – Steve – 12.5

Sample XBA Report – Victor – 15.4

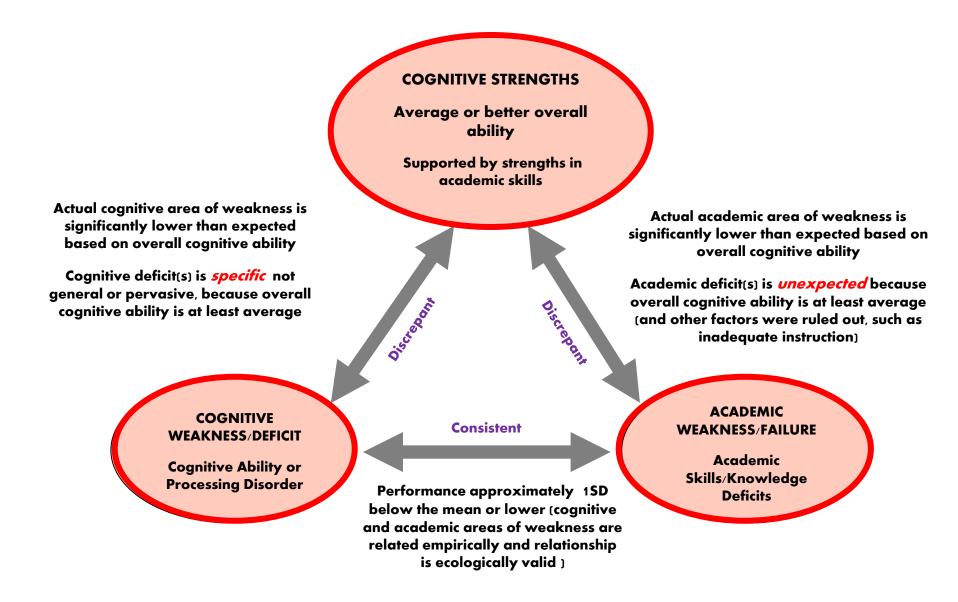
#### C-LIM+ATE

Culture-Language Interpretive Matrix - Achievement Test Extensions - Basic Version v2.0 (Excel) (updated 4.11.23)

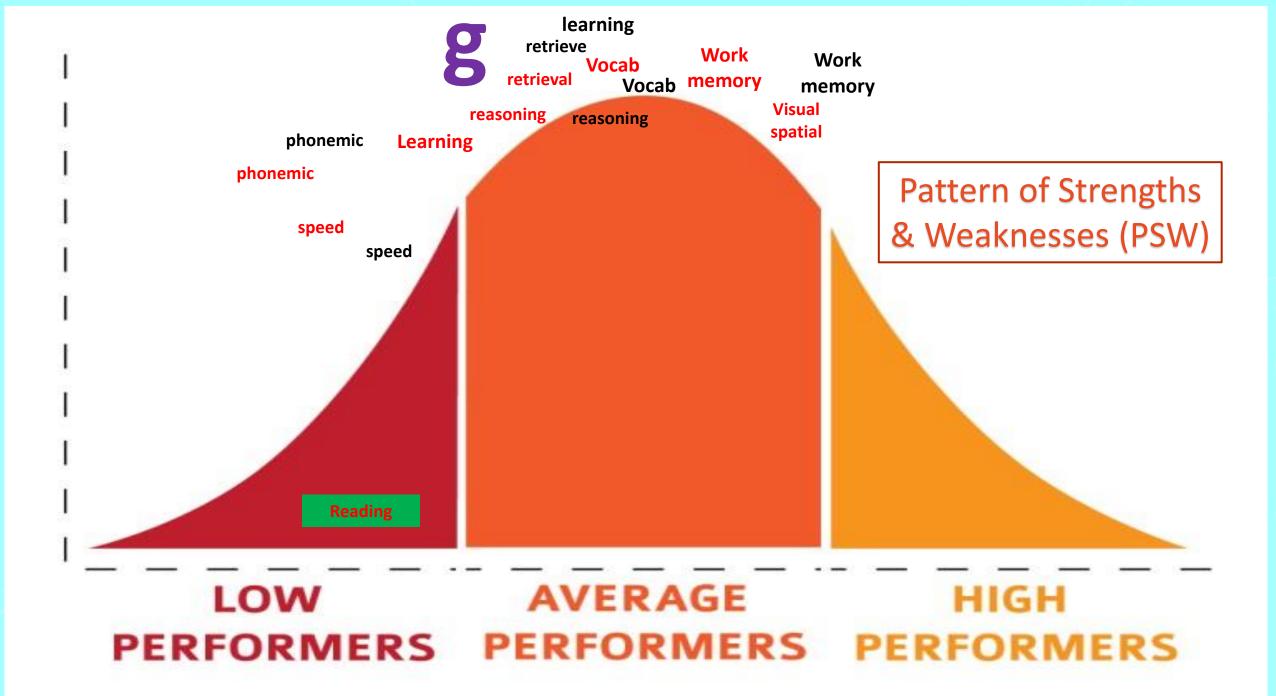
AAD	Rtl	PSW
Requires a <b>discrepancy</b> between ability and achievement	Requires <b>discrepancies</b> in rate and level of learning	Requires <b>discrepancies</b> between cognitive strengths and cognitive and academic weaknesses
<b>Does not clarify</b> the reason for academic failure despite a consideration of exclusionary factors	<b>Does not clarify</b> the reason for academic failure despite a consideration of exclusionary factors, most notably inadequate instruction and intellectual disability	<b>Clarifies</b> the reason for academic failure as part of a comprehensive evaluation that includes evaluation of exclusionary factors
Unexpected underachievement relative to overall cognitive ability (e.g., FSIQ)	Unexpected underachievement relative to evidence-based instruction and intervention (e.g., Tiers 1 and 2)	Unexpected underachievement relative to the individual's cognitive capabilities (strengths)
Weaknesses/deficits <b>within the individual</b> (primary)	Weaknesses/deficits within the environment (primary)	Weaknesses/deficits within the individual (primary) and the environment (contributory)
Link to intervention <b>not apparent</b>	Link to intervention <b>based on academic skill</b> <b>deficits only</b> ; Limited to no new data to inform intervention after failure to respond	Link to intervention based on academic skill deficits as well as knowledge of how cognitive deficits manifest for the individual in real- world settings (e.g., classroom)
Insufficient information to individualize instruction and intervention	Insufficient information to individualize instruction and intervention beyond Tier 2 and/or Tier 3	<b>Sufficient</b> information to individualize instruction and intervention (particularly when combined with RtI/MTSS)
<b>Diagnostic errors</b> (false positives and false negatives) are inevitable	<b>Diagnostic errors</b> (false positives and false negatives) are inevitable	<b>Diagnostic errors</b> (false positives and false negatives) are inevitable



## **Conceptual Similarities Among Alternative Research-based Approaches to SLD**



Flanagan, Ortiz, and Alfonso (2013); Flanagan, Fiorello, and Ortiz (2010); Hale, Flanagan, and Naglieri (2008)



ABILITIES AND Processes related to SLD AREA: <b>BRS</b>	WISC-V SUBTEST	DEGREE OF RELATIONSHIP BASED ON LITERATURE REVIEW	EXAMPLE OF SUPPLEMENTAL SUBTESTS VIA XBA IF NECESSARY	COMMENTS
Gc:VL (Lexical Knowledge)	Similarities Vocabulary	Moderate	CELF-5 Word Classes Word Definitions	Similarities may also involve Gf:I CELF-5 is statistically linked to the WISC-V and therefore should be an initial supplemental battery
Gc:K0 (General Information)	Comprehension Information	Moderate	WJ IV COG General Information	In the majority of cases, it will not be necessary to go out of battery for additional K0 subtests
OP (Orthographic Processing)		Moderate	TOC FAR Orthographic Processing Irregular Word Reading Fluency	TOSWRF-2 is also sensitive to OP weaknesses
Gwm: Wa, Wv, Wc, AC (Working Memory)	Picture Span Digit Span Forward Letter-Number Seq. Digit Span Backward Digit Span Sequencing Arithmetic	Moderate	CELF-5 Recalling Sentences WJ IV COG Numbers Reversed Object-Number Sequencing Verbal Attention	Evaluation of difference between auditory and visual memory span will require use of a separate memory battery. Arithmetic also measures math achievement (Gq:A3) and at the older ages may also involve quantitative reasoning (Gf:RQ)
GI:MA (Associative Memory)	Delayed Symbol Translation Immediate Symbol Translation Recognition Symbol Translation	Moderate	WJ IV COG Visual-Auditory Learning WRAML2 Sound Symbol Sound Symbol Recall	
Gs:P (Perceptual Speed)	Symbol Search Cancellation	Low-Moderate	WJ IV Number Pattern Matching WJ IV Letter Pattern Matching	Other Perceptual Speed tests, such as WJ IV Number Pattern Matching and Letter Pattern Matching are likely more highly related to BRS given emphasis on
Gr:NA (Naming Facility/Speed of Lexical Access)	Naming Speed Literacy	Moderate	CTOPP-2 Rapid Digit Naming CTOPP-2 Rapid Number Naming	orthography
Ga:PC (Phonetic Coding) Also referred to as Phonological Awareness		High	KTEA-3 Phonological Processing CTOPP-2 WJ IV OL Segmentation Sound Awareness Sound Blending	KTEA-3 is statistically linked to the WISC-V and, therefore, should be an initial supplemental battery
Ga:UM (Memory for Sound Patterns) F	lanagan & Alfons	Low-Moderate	CTOPP-2 Nonword Repetition (also Gsm:MS)	Also called Phonological Memory

# **Simple View of Reading**

# Decoding

(Word-Level Reading)

Ability to transform print into spoken language

# Language Comprehension Ability to understand

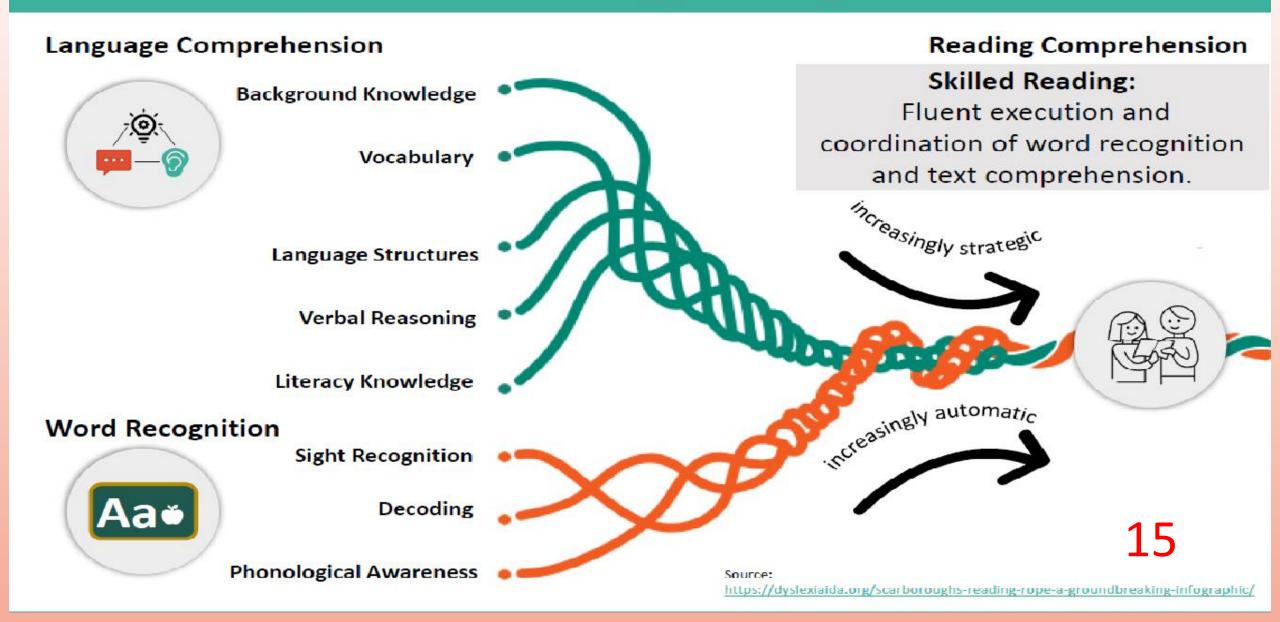
spoken language

14

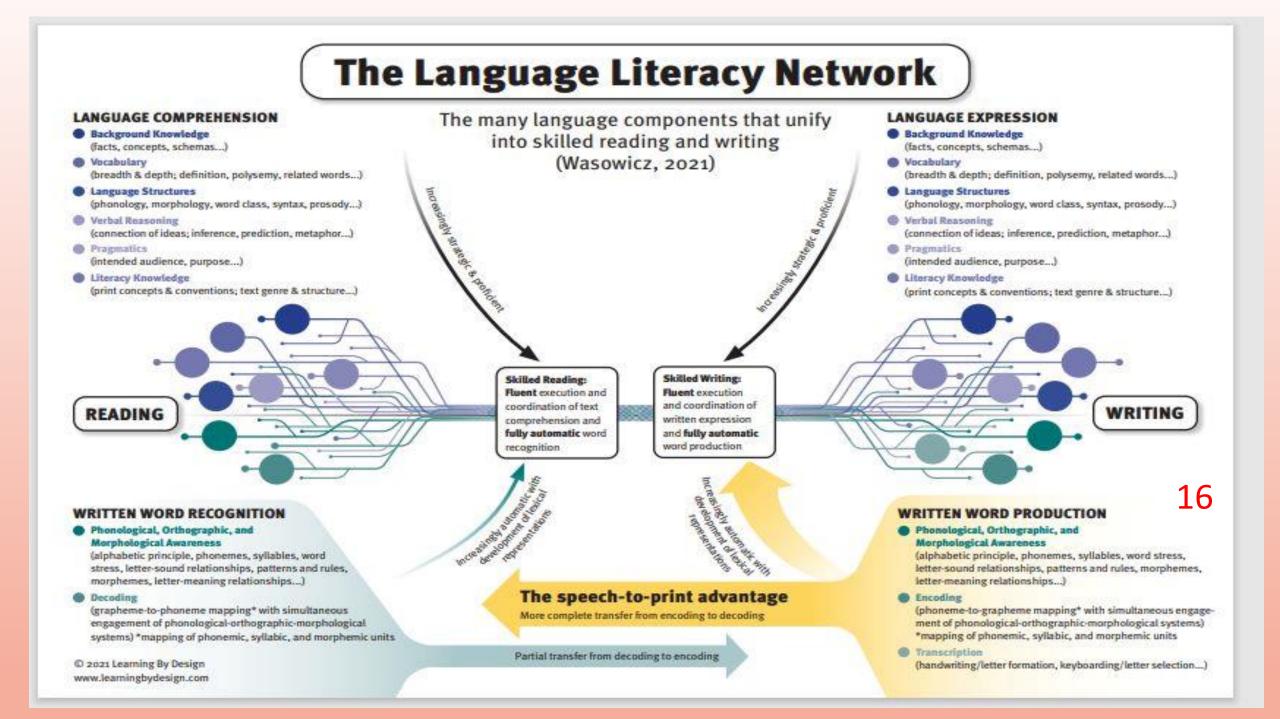
Decoding X Language Comprehension = Reading Comprehension

**D** X **LC** = Reading Comprehension

# **The Scarborough Rope Model**

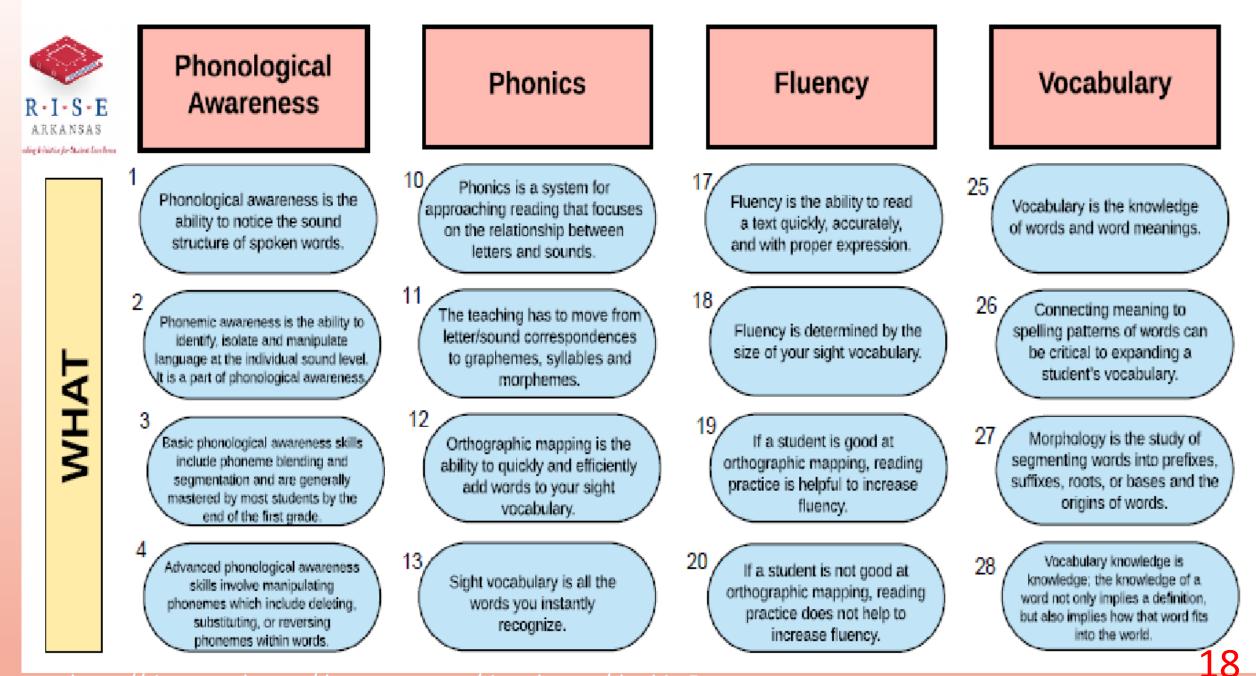


https://www.opportunityculture.org/2019/11/20/the-science-of-reading-introduction/



#### Language Typical comprehension DYSLEXIA Reader processes Good language Good word recognition; Good language comprehension; GOOD Poor word recognition comprehension Word Word GOOD POOR recognition recognition processes processes POOR Poor word recognition; Good word recognition; Poor language Poor language comprehension comprehension Mixed Language Language comprehension Reading Deficit processes Disorder

## The Simple View of Reading



https://sites.google.com/dawsonesc.com/risearkansas/the-big-5

# https://readinguniverse.org/taxonomy

THE SIMPLE VIEW OF READING

#### Word Recognition x Language Comprehension = Reading Comprehension

	The process of measuring students' progress a	SMENT nd providing information to help guide instruction <u>More</u> ►	_
<b>WORD REC</b> The ability to see a word and know how to prop <u>Learn N</u>	nounce it without consciously thinking about it	LANGUAGE COMPREHENSION - The ability to understand the meaning of spoken words Learn More	READING COMPREHENSION - The ability to understand the meaning of printed text Learn More
PHONOLOGICAL AWARENESS - A group of skills that enable you to recognize and manipulate parts of spoken words Learn More	PHONICS - A method for teaching children the relationship between spoken sounds and written letters so they can learn to decode and encode Learn More ►	Background Knowledge + Oral Language Structures +	Text Considerations       +         Strategies and Activities       +         Reader's Skill and Knowledge       +
Phonics and Sound-Le	etter Correspondence +	Vocabulary + Morphology +	Classroom Environment +
Pronunciation +	Common, Irregular Words 🗕 🕂	Reasoning +	
Syllables +	Beginning Phonics Patterns +	Literacy Knowledge +	
Onset-Rime + Phonemic Awareness +	Advanced Phonics Patterns + Suffixes +		

#### FLUENCY

The ability to read accurately with automaticity and expression

Learn More 🕨

Accuracy, Then Automaticity

+

+

+

+

Fluency with Expression

WRITING

STRUCTURED LITERACY

# Reports can address each

## **Six Pillars of Effective Reading Instruction**

Reading is enhanced when explicit and systematic instruction of oral language, phonological awareness, phonics, vocabulary, fluency, and comprehension occurs and the reciprocal relationship between these pillars is optimized. Effective reading instruction requires a balance between systematic teaching of the alphabetic code, linguistic features, and the application of this knowledge in continuous text. Reading comprehension, enjoyment, and building knowledge are important goals of reading.

Oral Language	Phonological Awareness	Phonics	Vocabulary	Reading Fluency	Comprehension
Oral Language is spoken language. It consists of phonology, syntax, morphology, vocabulary, discourse, and pragmatics. All are necessary to communicate and learn through spoken language.	Phonological awareness is a broad skill that includes hearing and manipulating units of oral language such as word, rhyme, syllable, onset-rime, and phoneme.	Phonics teaches what sounds correspond to which letters and letter-groups.	Vocabulary refers to words learners need to know to communicate effectively. Vocabulary includes the knowledge of word meanings and the context for using these words.	Reading fluency involves the application of alphabetic knowledge with fluency, accuracy, expression, and appropriate pacing.	Comprehension is making meaning from text and encompasses all other components of reading development (Oral Language, Phonemic Awareness, Phonics, Vocabulary, Reading Fluency).
		Skills and	Knowledge		
<ul> <li>Phonology: an awareness of the sounds in language</li> <li>Syntax: the structural rules of language and word order</li> <li>Morphology: the meaning of word forms and parts</li> <li>Vocabulary: the meaning of words and phrases</li> <li>Discourse: communication of thought by words, talk, conversation, and/or gestures</li> <li>Pragmatics: social rules of communication</li> </ul>	<ul> <li>Word: a single distinct meaningful element of speech or writing</li> <li>Rhyme: are a sequence of words with similar sounds, especially end sounds</li> <li>Syllable: largest units of sound in a word; each syllable has at least one vowel</li> <li>Onset and Rime: onset is the consonant sound(s) in any syllable and the rime is the string of letters that follow, usually a vowel and final consonants. Not all words have an onset</li> <li>Phoneme: smallest unit of sound in spoken language</li> </ul>	Alphabetic Knowledge: the understanding of which letter and letter groups correspond to the sounds used in the English language Application of Alphabetic Knowledge: using knowledge of letter-sound correspondence to decode words in isolation and in connected text Word Recognition: accurate and efficient word reading	Vocabulary Development: the set of words that a child knows and uses. Vocabulary is either receptive vocabulary or expressive vocabulary. Receptive vocabulary consists of the words that are understood when heard or read. Expressive vocabulary consists of words used when speaking or reading.	<ul> <li>Phrasing: the grouping of words together as in normal speech, pausing appropriately between phrases and sentences</li> <li>Expression: the ability to change one's voice to show feeling</li> <li>Adjusting pace: reading at just the right speed; changing style and pace to suit the text</li> <li>Adjusting: changing the style and pace of reading to suit the text; e.g., fiction and nonfiction</li> <li>Word Recognition: accurate and efficient word reading</li> </ul>	<ul> <li>Engagement with Text: the selection and interaction with a variety of texts based on interest, enjoyment, and information.</li> <li>Word Recognition: accurate and efficient word reading</li> <li>Print Concepts and Text Features: the understanding that print carries meaning and that text features also support meaning</li> <li>Strategic Processing of Text: any one of many simultaneous and coordinated thinking activities that go on in a reader's head to monitor comprehension</li> <li>Responding to Text: using the background knowledge provided through instruction, combined with prior knowledge, to generate and answer questions, and summarize information</li> </ul>
		Instru	uction		
Oral language learning is enhanced	Phonological and phonemic	Systematic and explicit phonics	Explicit instruction of new	The development of fluency	The ongoing engagement with rich

Oral language learning is enhanced through intentional instruction and modeling with opportunities for authentic practice. Phonological and phonemic awareness skills require systematic and explicit instruction in the manipulation of phonological units (isolating, segmenting, and blending). Systematic and explicit phonics instruction should occur in small and whole group settings and should intersect with the needs of

learners.

Explicit instruction of new vocabulary words followed by exposure in meaningful contexts supports learners to understand the meaning of a word and when to use it.

The development of fluency requires explicit modeling and repeated oral and independent reading experiences. The ongoing engagement with rich and varied text, shared through instruction and selected by learners, is critical to the reading trajectory from emergent to transitional readers.

> NOVASCOTIA NOUVELLE-ÉCOSSE



### 4th and 5th Grade Less and More Chart

Less	More		
Word Recognition			
Use of guessing strategies tied to the 3 cueing system (e.g., skip over the word, look at the picture etc)	Use of phoneme-grapheme mapping (e.g. look at the word, slide through the sounds, look at the parts etc) Use of prefixes, bases, roots and suffixes, and the big word strategy		
Practice fluency using separate text focusing on reading speed	Teach advanced phonological awareness Practice fluency using content area text focusing on accuracy, automaticity, and prosody		
Language Co	omprehension		
Teaching comprehension skills/strategies in isolation (e.g., main idea, predicting, etc)	Use multi-strategy instructional approach while discussing and analyzing authentic text (e.g., preview, monitor comprehension, infer, and summarize)		
Read texts on different topics each day	Read texts that relate to what is being studied in the content areas or texts on one topic for multiple weeks to build background knowledge and vocabulary. Teach text structure		
Teaching vocabulary words in isolation using dictionary definitions.	Explicitly teach and provide multiple exposures of Tier 2 vocabulary. Use student friendly or created definitions. Examine the multiple meanings of words. Teach morphological awareness (prefixes,		
Teaching of grammar in isolation without a scope and sequence (worksheets).	bases, roots, and suffixes). Teach syntax when reading text (e.g., pronouns, prepositional phrases, and conjunctions)		
Use of read alouds without a purpose to fill time	Use read alouds to strengthen background knowledge and vocabulary, and to discuss text to improve oral language.		

#### The Big 3

- 1. Teach morphology.
- 2. Use content related text or text on the same topic for several weeks.
- 3. Teach multi-strategy comprehension approaches.

### 3rd Grade Less and More Chart

Less	More			
Word Reco	Word Recognition			
Use of guessing strategies tied to the 3 cueing system (e.g., skip over the word, look at the picture etc)	Use of phoneme-grapheme mapping (e.g. look at the word, slide through the sounds, look at the parts etc) Use of prefixes, bases, and suffixes, and the			
	big word strategy Teach advanced phonological awareness			
Practice fluency using separate text focusing on reading speed	Practice fluency using content area text focusing on accuracy, automaticity, and prosody			
Language Co	omprehension			
Teaching comprehension skills/strategies in isolation (e.g., main idea, predicting, etc)	Use multi-strategy instructional approach while discussing and analyzing authentic text (e.g., preview, monitor comprehension, infer, and summarize)			
Read texts on different topics each day	Read texts that relate to what is being studied in the content areas or texts on one topic for multiple weeks to build background knowledge and vocabulary. Teach text structure			
Teaching vocabulary words in isolation using dictionary definitions.	Explicitly teach and provide multiple exposures of Tier 2 vocabulary. Use student friendly or created definitions. Examine the multiple meanings of words. Teach morphological awareness (prefixes, bases, and suffixes).			
Teaching of grammar in isolation without a scope and sequence (worksheets). Use of read alouds without a purpose to fill time	Teach syntax when reading text (e.g., pronouns, verb tenses, and conjunctions) Use read alouds to strengthen background knowledge and vocabulary, and to discuss text to improve oral language.			

#### The Big 3

1. Teach phoneme-grapheme mapping to decode and spell words.

- 2. Use content related text or text on the same topic for several weeks.
- 3. Teach multi-strategy comprehension approaches.

# What is STRUCTURED LITERACY? A primer by Nancy Young (nancyyoung.ca)

Encompasses	A structured approach to teaching the structure of written text. Explicit, systematic & cumulative. Needs-based instruction.  Sources: Units to these resources and additional supporting resources for educators and parents can be found at www.nanoyyoung.ca
Phonology	Awareness of the structures within spoken language underlies reading and spelling mastery, especially the individual speech sounds (phonemes) within words. Explicit instruction/practice using letters (graphemes) strengthens <b>phonemic awareness</b> , from identification and segmentation to the higher-level skill of phoneme manipulation.
Orthography	from identification and segmentation to the higher-level skill of phoneme manipulation. Reading (decoding) and spelling (encoding) require knowledge of <b>the written code</b> . Written symbols (graphemes) which represent the phonemes in spoken words are taught in a sequence (read-aloud materials aligned as needed), addressing features such as allowable grapheme positions, word origin, and the rationale for certain spellings.
Morphology	As well as learning about phonemes and graphemes, learning about <b>the units of meaning – morphemes – in words</b> underlies reading/spelling mastery. This includes understanding words can be made up of just one or combined units of meaning (e.g. adding one or more affixes to a free or bound base), possibly resulting in changed grapheme pronunciation.
Syntax	Reading and writing proficiently requires knowing that words can be arranged in various ways. Instruction addresses <b>parts of speech</b> (e.g. verb, noun, preposition), how written words are organized into <b>sentences and paragraphs</b> in different <b>forms of text,</b> and the role of <b>punctuation</b> . Writing is a vital part of reading instruction, building from the foundational stages.
Semantics	Instruction focuses on the <b>many different meanings that words can represent</b> in various forms of text. As reading and writing skills grow, vocabulary and background knowledge are continually built up. Comprehension (both spoken and written language) is steadily developed and strengthened. A rich language learning environment grounds all learning.

Components taught as simultaneously as possible

Belief that the code-based nature of reading needs to be explicitly unpacked for the reading novice, so that we are not leaving reading to chance.

cience of Reading

Teaching decoding as a skill

Bottom up approach, starting with phonemes, and moving to graphemes to create whole words before moving to meaning.

Diagnostic assessments (PAST, decoding assessments, etc) given to determine skill needs

Using assessment to drive instruction

Sound wall as a spelling help with all 44 sounds represented

Small groups based on skill deficits

Teaching phonemic awareness to the advanced level to automaticity

Teaching decoding using phonemic awareness, letter-sound proficiency, syllable types, and syllable division rules

Systematic and explicit teaching of phonics

Teaching phonics with an explicit scope and sequence from simple to more complex with spiraling review

Practice taught skills using decodable texts

Decodable texts have a high percentage of words that have been taught in phonics

Increasing fluency by working on automaticity of the sub-skills of reading

High frequency word instruction that uses analysis of the sounds rather than memorization

Using an ABC chart for letter ID

Complete connections between letters seen in the written forms of words and phonemes detected in their pronunciations for orthographic mapping to take place so students can move from word identification (blending/sounding out) to instant word recognition (immediately recognized in 1-4 exposures).

Teaching spelling with explicit processing of letter order and identity (linking graphemes to phonemes detected in pronunciations). Belief that reading is a meaning-based activity that is best acquired through immersion.

Balanced Literacv

Teaching phonics as children make errors

Top down approach, starting with whole words and what would make sense. This approach begins with sight words and cueing instead of individual sounds and letters.

DRA assessment given to determine a reading level

Using a leveled text to drive instruction

Word wall as a tool for spelling focusing on the 26 letters

Small groups based on reading level

Teaching phonological awareness at a basic level, not recognizing phonemic awareness proficiency as a necessary skill

Teaching decoding using 3 cueing system

Teaching enough phonics to read one text

Teaching with no pre-determined scope and sequence

Reading practice with leveled texts which provide insufficient practice in decoding.

Leveled texts are not decodable since they have a high percentage of words with phonics skills that have not been taught

Attempting to build fluency with repeated reading.

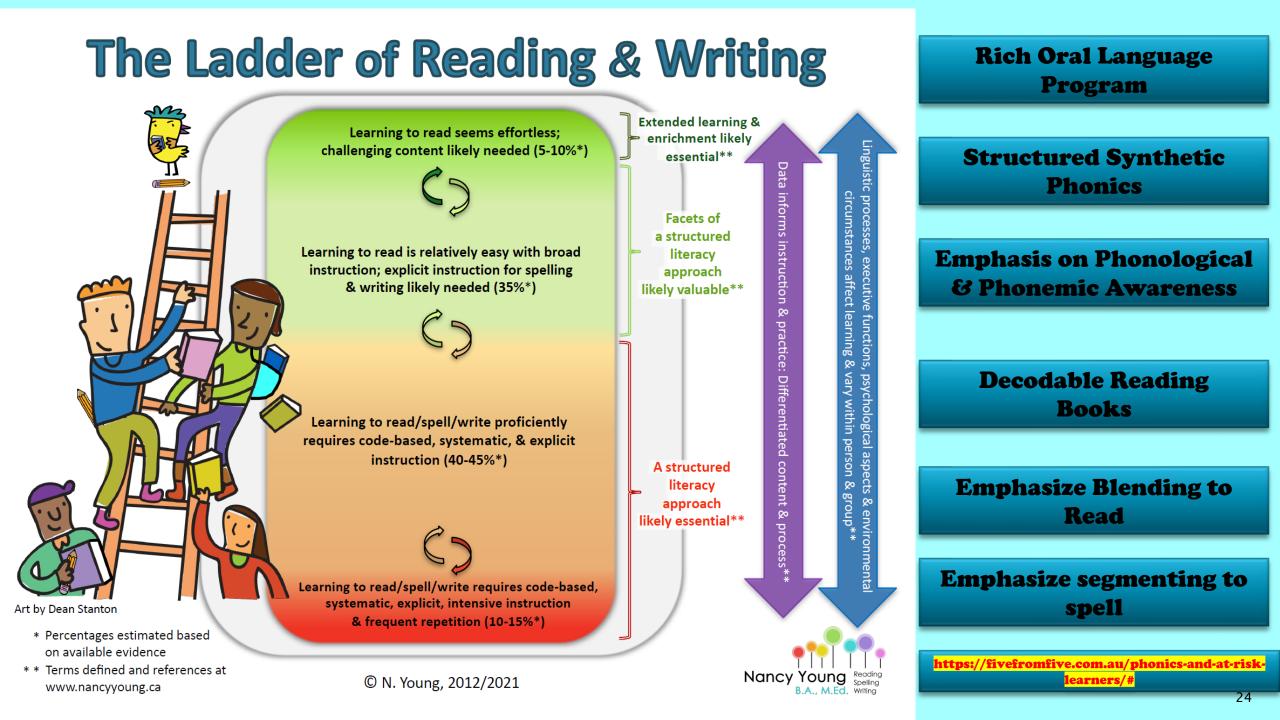
High frequency word instruction using visual methods such as flash cards

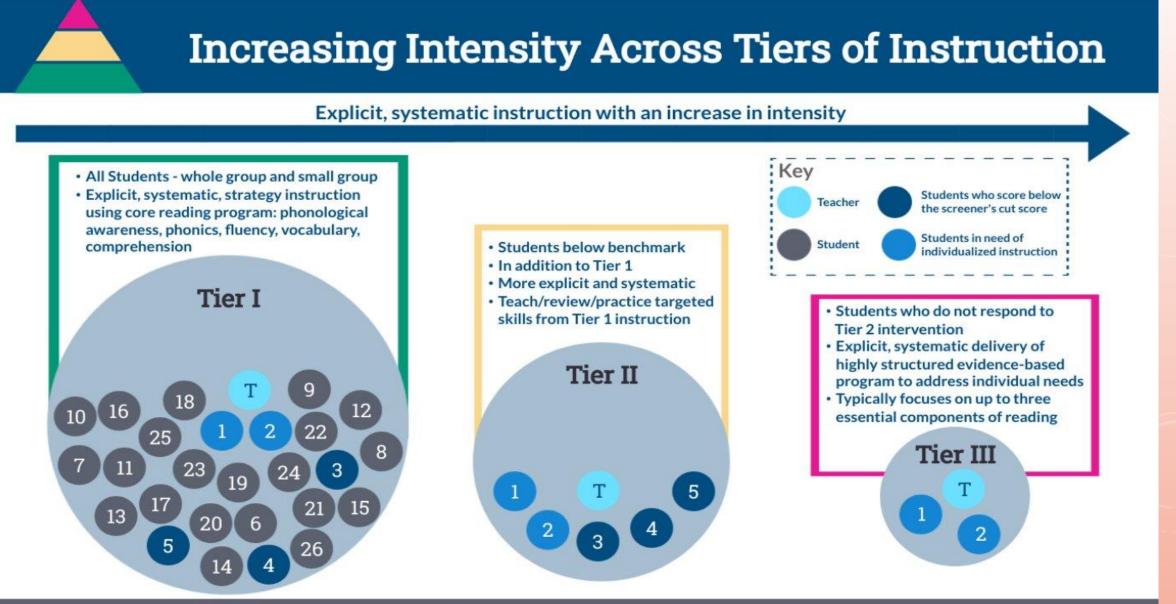
Using an ABC chart for letter ID and sounds the entire year of kindergarten

Orthographic mapping is not addressed

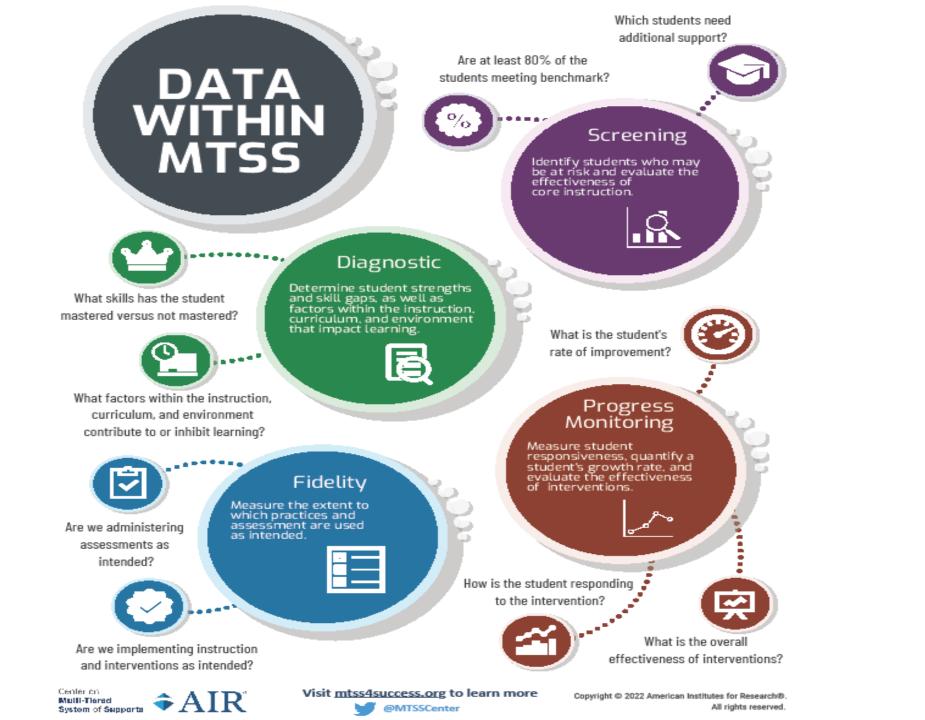
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Teaching spelling as if words are remembered by sight - writing the word over and over and over; rainbow spelling, flashcards for spelling words.





Lead for Literacy Center from the U.S. Department of Education, Office of Special Education Programs (OSEP). Award #: H326L180002. The opinions expressed are those of the authors and do not represent views of OSEP or the U.S. Department Uiteracy of Education. 25



## CURRICULUM BASED MEASURES OF READING SKILLS – KINDERGARTEN

PHONOLOGICAL AWARENESS	DIBELS Initial Sound Fluency DIBELS First Sound Fluency DIBELS Phoneme Segmentation Fluency EasyCBM Phoneme Segmenting	Aimsweb Phoneme Segmentation Fluency Pre-Decoding Skills Survey Phonological Awareness Skills Screener
LETTER KNOWLEDGE	DIBELS Letter Naming Fluency EasyCBM Letter Names EasyCBM Letter Sounds Aimsweb Letter Naming Fluency	Aimsweb Letter Sound Fluency Phonics and Word Reading Survey CORE Phonics Survey Pre-Decoding Skills Survey
DECODING / WORD RECOGNITION	Aimsweb Nonsense Word Fluency Phonics and Word Reading Survey CORE Phonics Survey	DIBELS Nonsense Word Fluency San Diego Quick Assessment Dolch Word List Fluency
VOCABULARY	DIBELS Word Use Fluency	

## CURRICULUM BASED MEASURES OF READING SKILLS – FIRST GRADE

PHONOLOGICAL AWARENESS	EasyCBM Phoneme Segmenting Aimsweb Phoneme Segmentation Fluency CORE Phonics Survey	Pre-Decoding Skills Survey Phonological Awareness Skills Screener	r
LETTER KNOWLEDGE	EasyCBM Letter Sounds DIBELS Letter Naming Fluency EasyCBM Letter Names Aimsweb Letter Naming Fluency	Aimsweb Letter Sound Fluency Phonics and Word Reading Survey CORE Phonics Survey Pre-Decoding Skills Survey	
DECODING / WORD RECOGNITION	Aimsweb Nonsense Word Fluency DIBELS Nonsense Word Fluency Phonics and Word Reading Survey CORE Phonics Survey	San Diego Quick Assessment Dolch Word List Fluency Diagnostic Decoding Survey EasyCBM Word Reading Fluency	
READING FLUENCY	Aimsweb Oral Reading Fluency EasyCBM Passage Reading Fluency	DIBELS Oral Reading Fluency	
VOCABULARY	DIBELS Word Use Fluency	2	7
READING COMPREHENSION	DIBELS Retell Fluency	Aimsweb Maze CBM	1



### **Quick Guide For Reading Assessment**



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To ensure that each BSCSD student graduates with <u>a meaningful diploma</u>, our focus on student learning, strong instruction, targeted instructional support including professional learning MUST begin with a belief that every student must be able to read at or above grade level

#### Timely, Targeted, and Sustained Professional Development

To build knowledge and understanding of the curriculum and to continuously improve instructional practices in literacy

### **Explicitly Trained Principals**

To lead and support teachers' learning and to be able to identify and maximize critical instructional practices which support students' literacy development

#### **Structured Building-level Support**

To maximize instructional impact utilizing trained reading and sp. education teachers, speech therapists, librarians, & reading TAs

### **Explicitly Trained Literacy Coaches**

To build, support, and model instructional practices which help to bring the literacy curriculum to life in K-5 classrooms

### **Peer Support**

To continuously improve our instructional understandings and practices using in-building, cross-building, and other districts' teachers

### **Community Support of Literacy**

To establish the priority of literacy support from local librarians, parents, and businesses through explicit and purposeful engagement Explicit Instruction to ensure that EVERY STUDENT is Reading At Or Above Grade Level

#### Knowledge-based, Rigorous Curriculum

That provides rich content (background knowledge) across multiple disciplines and critical skills needed to read at or above grade level

#### **Structured Daily Schedule**

To maximize instructional time, provide professional learning support, and encourage collaborative planning

#### **Structured Interventions**

With well-trained intervention teachers to ensure that student skill deficits can be addressed as soon as possible thereby allowing students to achieve a full year's growth

### **Aligned Supporting Materials**

That support and extend classroom instruction and professional learning

#### **Research Support**

Which explains the process of learning in general and learning to read in particular and assists us in decision-making

### **Shared Building Goals**

To ensure that each student, regardless of their school, is provided a very similar set of learning experiences that support literacy development

# EXPLICIT INSTRUCTION

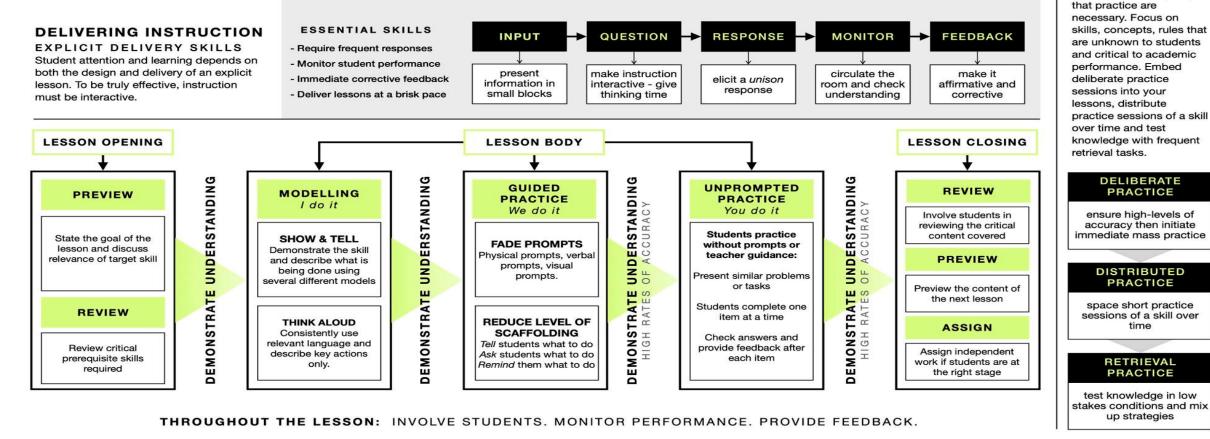
### DIRECT & ENGAGING TEACHING





Instructional lessons that are interactive make learning visible so teachers can ensure students are learning.

**ANITA ARCHER & CHARLES HUGHES** 



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#### ACTIVE PARTICIPATION

ELICIT FREQUENT RESPONSES Active participation focuses on engaging all students by giving them the opportunity to respond with structured verbal, written or action responses. In the act of responding,

students are retrieving, rehearsing and practicing the information, concepts, skills, or strategies being taught. Elicit responses, by presenting a little information before stopping to ask for a response - this helps to make students accountable.

#### ACTION RESPONSES

Hand Signals put up number of fingers for answer Acting Out physically show solid, liquid, gas Gestures

WRITTEN RESPONSES Mini-whiteboards

1.

#### Response Cards yes/no, T/F **Hinge Questions Exit Tickets** Written Summary

**ORAL RESPONSES** 

Ξ

time

INDEPENDENT

BUILD FLUENCY

Research shows that in order to reach proficiency,

PRACTICE

both practice and feedback on the quality of

Choral Response everyone say it together in unison Think, Pair, Share **Cold Calling Random Name Generator**