School Psychology and the The Science of Reading Dr. Stephanie Stollar, Ph.D. stephaniestollar@gmail.com

Reading Science Academy

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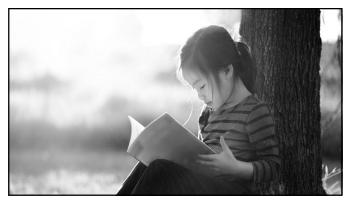
Objectives

This session will provide school psychologists:

- Background information on the science of reading
- Strategies for sharing research with other educators
- A framework for implementing the science of reading so more students become skilled readers
- Guidance for implementing structured literacy practices that are consistent with Ohio's dyslexia legislation and other state and federal laws.



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	Beginning of Year	End of Year
District A	39%	81%
District B	38%	90%
Typical District	54%	62%



"The most critical elements of an effective program for the prevention of reading disability at the elementary school level are:

- a) the right kind and quality of instruction delivered with the
- b) right level of intensity and duration to
- c) the right children at the

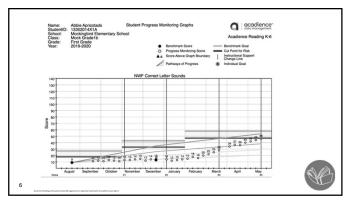
d) right time."

Torgesen, 1998

https://www.aft.org/sites/default/files/periodicals/torgesen.pdf



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School Psychologist's Role and Function

- Participating as team members at all levels of the system
- Consulting with teachers on curriculum and instruction
- Classroom observations
- Selecting, conducting and interpreting reading assessments
- Data-based decision making selecting, matching students to, implementing, and evaluating reading interventions
- Supporting parents, families and communities
- Special education eligibility determination
- Seeing schools as systems that can be organized to maximize student outcomes

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The Big Ideas of Changing Early Literacy Outcomes

- 1. Find out what kids need
- 2. Provide what they need in regular classroom reading instruction
- 3. Increase support as data indicate the need



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Definition

The Science of Reading is a vast, interdisciplinary body of *scientifically-based* research* about reading and issues related to reading and writing.

This research has been conducted over the last five decades across the world, and it is derived from thousands of studies conducted in multiple languages. The science of reading has culminated in a preponderance of evidence to inform how proficient reading and writing develop; why some have difficulty; and how we can most effectively assess and teach and, therefore, improve student outcomes through prevention of and intervention for reading difficulties.

Whatisthescienceofreading.org. (2021, February 3). Retrieved February 5, 2021, from https://www.whatisthescienceofreading.org



MTSS: A Framework to Improve Reading Outcomes Through Prevention and Intervention

Multi-Tiered Systems of Support (MTSS) is a school-wide framework for implementing effective instruction. MTSS involves efficiently targeting instruction to student needs based on universal screening and diagnostic assessments.

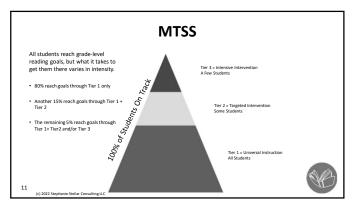
School and district teams use assessments in a data-based, decision-making process to build a system of increasingly intensive instructional supports that are customized to fit the needs of the students. Simultaneously, schools must also assess their human and instructional resources to ensure that those needs are met

MTSS does not involve prescriptive practices to be rigidly implemented by tiers or levels of assignment. Nor is it adding to current, ineffective practices for the sake of innovation. It is a comprehensive system whereby ineffective practices are strategically abandoned and proven practices are prioritized.

Whatisthescienceofreading.org. (2021, February 3). Retrieved February 5, 2021, from https://www.whatisthescienceofreading.org



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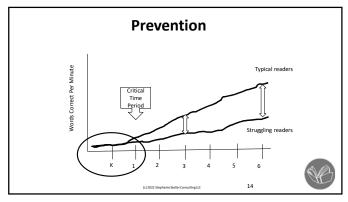


OH Dyslexia Laws

- Screen all students in K-3
- · Report risk to parents
- Monitor progress of at-risk students for up to six weeks
- If no progress is made, notify parents, and administer a diagnostic assessment
- Report results to parents
 If dyslexic tendencies, provide the parents with information about reading development, risk factors for dyslexia and descriptions for evidence-based interventions
- If markers for dyslexia, provide written explanation of district's multi-sensory structured literacy program
- PD and Certification



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Prevention

Children who start low tend to stay low

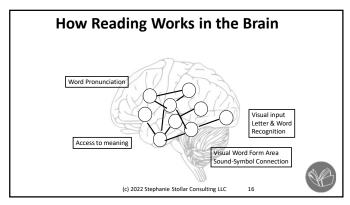
Trouble with early word reading skills leads to

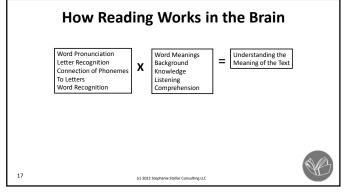
- less time spent reading
- slow vocabulary growth
- missed opportunities to practice comprehension
- negative attitudes toward reading

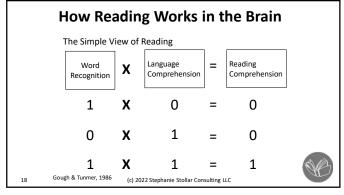
The best solution to the problem of reading failure is to allocate resources for early identification and prevention.

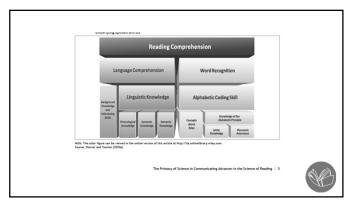
Torgesen, 1998

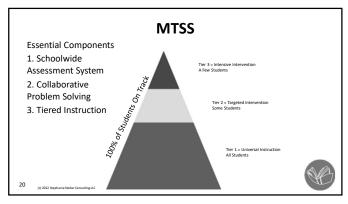


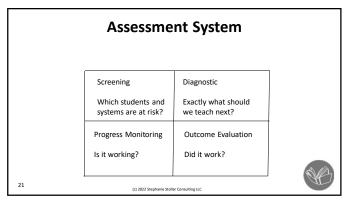












1. Universal Screening

Which students and systems are at risk?

- Given to all students
- Brief
- Standardized
- Predictive
 - Cut points that predict an important reading outcome in the future
- Provide student-level and system-level information

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Example of Universal Screening

		ORF	DRF N							READING COMPOSITE SCORE		
NAME	STUDENT ID	Words Correct	Local Percentile	Accuracy	Retell	Local Percentile	Retell Quality	Adjusted Score	Local Percentile	Score .	Local Percentile	Score Level
West, Doris	401800140	45 E	4	90% 🖽	25 🗆	23	2 🗆	40	3	151 🖾	4	Well Below Benchmark
Montgomery, Janice	401800128	50 E	6	80% E	25 🗆	23	2 🗆	8 🗆	16	173 🖾	6	Well Below Benchmark
Stevens, Todd	401800138	67 🖽	14	92% 🗆	19 🗆	11	10	40	3	177 🖾	9	Well Below Benchmark
Fleming, Patrick	401800139	61 🛭	11	95% 🗆	23 🗆	14	3 🗆	0 🖽	10	211	14	Well Below Benchmark
Brown, Victor	401800137	71 🗆	19	92% 🗆	26 🛘	29	2 🗆	13 🗆	39	231	19	Well Below Benchmark
Barker, Raymond	401800132	83 🗆	25	98% []	14 🖽	6	10	10 🗆	28	255 🗆	21	Below Benchmark
Curtie, Jonathan	401800134	87 E	29	97% 🖽	15 🖽	9	10	13 🗆	39	265 🗆	24	Below Benchmark
Brock, Frank	401800130	102 🛘	48	94%	26 🔲	29	2 🗆	15 🛘	50	286 🗆	26	At Benchmark
Hernandez, Mark	401800133	95 🛭	39	98% 🖽	28 🔲	34	3 🗆	10 🗆	28	295 🗎	30	At Benchmark
Fuller, Susan	401800125	78 🗆	21	98% 🖽	29 ED	36	2 🗆	18 🖾	68	312 🗆	34	At Benchmark
		_		_	_		_	_		_		

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Example of Universal Screening









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2. Diagnostic Assessment



Exactly what should we teach next?

- Given to students when you aren't sure what to teach next
- More in-depth than screening
- May or may not be standardized, timed, but not teacher created
- Closely linked to instruction (the score is less important than how the student got to the score)

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Example of Diagnostic Assessment





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3. Progress Monitoring

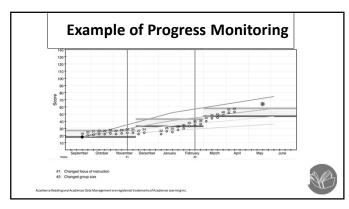
Is it working?

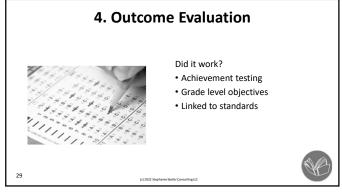
- Brief
- Standardized
- Alternate forms of the same task
- Sensitive to change over small units of time

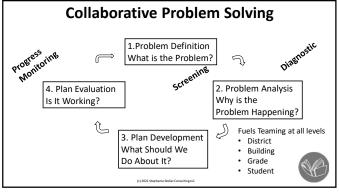


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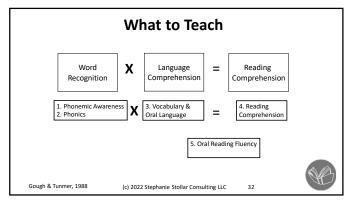
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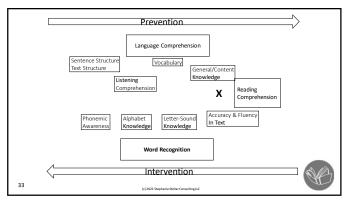




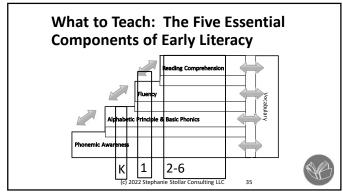


Step		Question	Task	Data Source
1. Problem Definition		What is the Problem?	State as the difference between expected and actual performance	Universal Screening
2. Problem Analysis		How and why is the problem happening?	Generate hypotheses about: Schedule Curriculum & Instruction Flexible Service Delivery Grouping	Screening Diagnostic Adult Implementation Variables
3. Plan Developme	ent	What should we do about it?	Use resources to resolve barriers	
4. Plan Evaluation		Did you implement the plan? Did students improve?	Develop an action plan	Progress Monitoring





Skill	Definition
Phonemic Awareness	Noticing, thinking about and working with phonemes
Vocabulary & Oral Language	Understanding the meaning of words we speak, hear, read, and write
Phonics	Knowing relationships between sounds (phonemes) and letters (graphemes)
Oral Reading Fluency	Reading connected text accurately, fluent and for meaning
Reading Comprehension	Gaining meaning from text



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What is Phonemic Awareness?

The ability to manipulate sounds in spoken language at the level of the smallest unit – the phoneme

Elusive

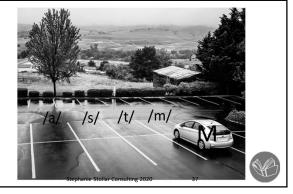
Creating "parking spaces"

Independent of meaning and print

Reciprocal

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Why is Phonemic Awareness Important?

Written English is the representation of spoken phonemes

Students who have phonemic awareness are more likely to learn phonics easily

PA predicts reading comprehension; The path to reading comprehension starts with phonemic awareness

To read you must transfer the print to speech; To spell you must transfer speech to print



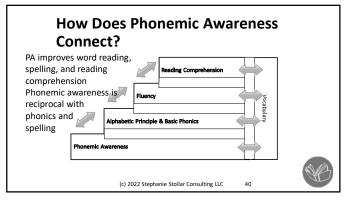
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Misunderstandings About Phonemic Awareness

- Same thing as phonics
- Acquired by osmosis; It doesn't need to be taught
- · Not all students need this skill
- This is only for pre-K and K
- All of the skills are equally important and must be taught
- You have to start with larger linguistic units before you work on phonemes
- Instruction should be done without print





Research on Teaching Phonemic Awareness

- Focus on blending and segmenting phonemes
- Make sounds in spoken words concrete with movement, objects and letters
- 10-15 minutes per day
- Prioritize 1-2 skills per lesson
- Small groups
- Link to letters



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Phonemic Awareness Resources

Mary Dahlgren on Sound Walls

https://www.youtube.com/watch?v=Wws8Ghj0IJ0&t=584s

https://www.tools4reading.com/

Free TN PA Curriculum

https://openedx.tneducation.net/courses/course-v1:TDOE+fs101+2020YL/about?mc_cid=cd5ab51d2c&mc_eid=ce1578ed6c&mc_cid=0e04cb86a4&mc_eid=502f6811d6

Sound Partners

https://www.voyagersopris.com/literacy/sound-partners/overview

Road to the Code

 $\underline{https://products.brookespublishing.com/Road-to-the-Code-P322.aspx}$

95 Percent Group PA Lessons

 $\underline{https://www.95percentgroup.com/products/pa-lessons}$



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Knowledge of the relationships between sounds and letters in reading and spelling.



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Research on Phonics

- Benefits all students K-6
- · Positively impacts all other skill areas
- Systematic synthetic phonics instruction is more effective than embedded analytic phonics
- Goal should be applying knowledge in reading text and spelling
- Explicit and systematic programs get the best results

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Why Is Phonics Important?

Provides the basis for reading comprehension

26 letters represent 44 speech sounds

Decoding – linking sounds to letters, blending them together and reading the word

Encoding – linking print to letters that represent sounds to write words

Over 80% of words are phonetically regular



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Misunderstandings About Phonics

- · Boring; Drill and kill
- $\boldsymbol{\cdot}$ Overemphasis or thinking phonics is the whole program
- $\boldsymbol{\cdot}$ Only necessary for struggling readers
- · Takes time away from focusing on meaning
- Sight Words High Frequency Words Regular/Irregular Words
- · Leveled Text Decodable Text
- Nonwords

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How Does Phonics Connect? Students who have phonics skills do better on PA, reading fluency, & comprehension Fluency Vocabulary instruction Letter name, Alphabetic Principle & Basic Phonics sound, form Phonemic Awareness (c) 2022 Stephanie Stollar Consulting LLC 47

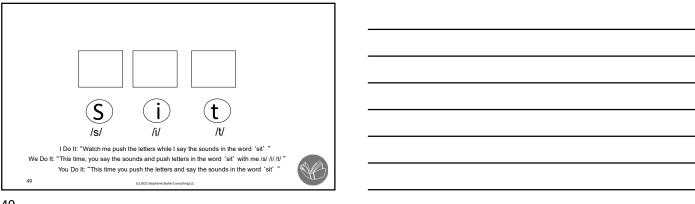
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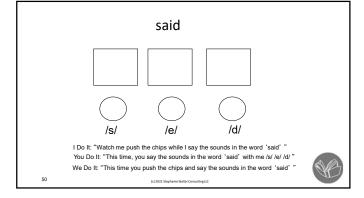
Research on Teaching Phonics

- Benefits all students K-6, even top readers
- Positively impacts all other skill areas this is HOW to get to reading comprehension, not taking time away from it
 - Students who have phonics skills do better on phonemic awareness, reading fluency, & reading comprehension
- Systematic synthetic phonics instruction is more effective than embedded analytic phonics
- Goal should be applying knowledge in reading text and spelling
- \bullet Scripted programs get the best results

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Phonics Instruction Resources West Virginia Phonics $\underline{\text{http://hickman.sharpschool.net/cms/One.aspx?portalId=3052816\&pag}$ eld=21377024 **UFLI Virtual Teaching Hub** https://education.ufl.edu/ufli/virtual-teaching/main/ **Readsters Article On High Frequency Words** https://www.readsters.com/wp-content/uploads/2013/03/NewModelForTeachingHFWords.pdf

What	Iς	Rea	ding	Flue	ncv?
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Accurate, fluent, reading for meaning
Reading aloud effortlessly and with expression
Reading as you would speak



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Why Is Fluency Important?

Fluency is a bridge between decoding and reading comprehension

Accurate and effortless reading of connected text is a necessary but not sufficient pre-requisite to reading comprehension



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Misunderstandings About Fluency

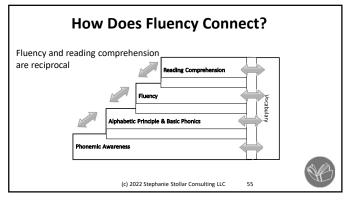
It's all about speed reading

Sustained silent reading and independent reading will improve fluency Fluency can't or shouldn't be taught

Accurate reading is sufficient



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Research on Teaching Reading Fluency

Repeated Reading Best Practices (NRP; Chard et al; Therrien 2004; Morgan & Sideridis 2006; Stevens, Walker & Vaughn 2017)

- Use instructional level text
- Cue for speed and comprehension
- Model
- Multi component listening preview, progress monitoring
- Increase number of re-readings
- Set a goal
- Performance feedback



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Repeated Reading Resources

The Six Minute Solution An approach to repeated reading that involves partners.

https://www.voyagersopris.com/literacy/six-minute-solution/overview Read Naturally A variety of print and digital solutions for repeated reading that can be delivered in person or remotely. https://www.readnaturally.com/research/read-naturally-strategy

Quick Reads Procedures and materials for improving reading fluency and comprehension.

 $\underline{http://textproject.org/teachers/students/commercially-available-products-powered-by-\underline{text/quickreads-family-of-products/}$

Iowa Reading Research Center Research on Text Sets

 $\underline{https://iowareadingresearch.org/sites/iowareadingresearch.org/files/irrc_fluency_study_report.pdf}$ 30 sets of varied practice text sets https://iowareadingresearch.org/elearning#VPR%20Module Webinar Dr. Jan Hasbrouck defines oral reading fluency and what research says about how to assess and teach it. https://www.youtube.com/watch?v=vHSmwiNZe9s



What Are Vocabulary and Oral Language?

Levels of Understanding	Description of Levels
Vocabulary Breadth	how many words a learner recognizes or knows ("size of an individual's mental lexicon")
Vocabulary Depth	measure of how well an individual knows a word
Fluency	rate at which the individual accesses the meaning of a word

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Why Are Vocabulary and Oral Language Important?

Perfetti's Lexical Quality Hypothesis

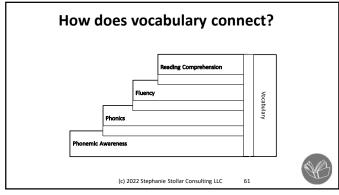
- Orthographic mapping required for automatic recall
- Word representations that include well specified orthographic, phonological, semantic and syntactic information
- If representation is high quality it will be retrieved instantly and accurately



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Phonological Form Word Form Word Addition edition dogs Flexibility



Research on Teaching Vocabulary

- 1. Teaching word meanings
- 2. Fostering word consciousness

 - Morphology
 Oral discussion
- 3. Wide reading

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1. Directly Teaching New Words

Criteria for selecting words to teach before reading aloud or independently

- Importance and utility
- Instructional potential
- Conceptual understanding
- Tier 1
 - Common words; May need to be taught to ELs
- "Words that travel well"; Essential for understanding the text; Best, to teach directly
- 63 Tier 3

		_
1. Explicit Vocabulary Instructional Rou	utine	
Pronounce the word, phonology		
Write it, read it orthography Typlore cyllobles, orthography, manphelogy, orthography, manping.		
Explore syllables, orthography, morphology orthography, meaning Provide a student-friendly definition meaning		
A is a that	- 41	
Say more about the word, examples & non-examples meaning and context (in text and others)	i the	
Ask yes or no questionsWould it be brave to tell the truth when you did something wrong	g? Yes	
or no?	5. 103	
Elicit word use by the students phonology, meaning and context It would be brave to I was brave when I		
7. Encourage students to use the word across subjects, in spoken language, in w	riting	
4		
		1
2. Fostering Word Consciousness		
Directly Teaching Marphalogy		
Directly Teaching Morphology • Words with affixes outnumber single morpheme words by 4 to 1		
 Teach un, re, dis, in/im/ir; able/ible, ly, ness; es, ed, ing – students can analyze at least 250 new words a year 		
Order easier to harder Inflectional endings		
Prefixes		
Derivational suffixesGreek and Latin roots		
CognatesUp to 40% of all words in English have a related word in Spanish.		
	STATE OF THE PARTY	
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3. Wide Reading		
5. 11.30 Houselle		
Most new words are learned through reading		
Who is choosing to spend time reading?		
Be cautious about Sustained Silent Reading		
Mastery reading level considerations		
 Use of audio books Increasing a student's reading comprehension skills increases their 	, l	
 Increasing a student's reading comprehension skills increases their vocabulary 	'	

Vocabulary Instruction Resources

Reading Rockets - Choosing Words to Teach (3 Tiers)

 $\underline{\text{https://www.readingrockets.org/article/choosing-words-teach}}$

Susan Ebbers' Blog

 $\underline{\text{https://vocablog-plc.blogspot.com/p/vocabulary-brief.html}}$

Vocabulary Through Morphemes

 $\underline{\text{http://store.voyagersopris.com/vocabulary-through-morphemes/}}$

Bringing Words to Life

https://www.guilford.com/books/Bringing-Words-to-Life/Beck-McKeown-Kucan/9781462508167

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What is Reading Comprehension?

The ultimate goal of reading is comprehension: for the reader to reconstruct the mental world of the writer. As skilled readers, this usually feels pretty effortless and comprehension flows naturally as we read along. This sense of ease is misleading, however, as it belies the complexity of what we do as we read, even when a text is simple and straightforward. A whole range of cognitive and linguistic operations are at play, from identifying individual words through to making inferences about situations that are not fully described in the

Nation, 2019, p.47

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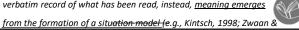
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What Is Reading Comprehension?

Reading comprehension is not a single entity that can be explained by a unified cognitive model.

Instead, it is the orchestrated product of a set of linguistic and cognitive processes... Castles et al 2018

As we read, we construct a <u>mental representation</u> of the situation being described by the text, linking information from the text with relevant background knowledge. <u>The product of comprehension</u> is not a verbatim record of what has been read, instead, <u>meaning emerges</u>



What Is Reading Comprehension?

- Comprehension Products are indicators of what the reader knows and understands after reading
- Comprehension Processes are the cognitive and language activities that allow the reader to arrive at the products
 - Semantics
 - Morphology
 - Reading Fluency
 - Syntax
 - Story Structure

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Common Misunderstandings About Reading Comprehension

- Strategy instruction
- Text selection
- It is the means to the end

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Research on Teaching Reading

- **Comprehension** Reading comprehension is multidimensional, not a single skill
- Background knowledge
- The relationship between knowledge and reading comprehension is reciprocal
- Teaching comprehension requires multiple levels of instruction and practice
- Assessing comprehension is difficult



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Blu	eprint for Comprehension Instruction
PREPARING FOR INSTRUCTION CRITICAL UNDERSTANDINGS OF TEXT	What do you want students to know and undentand after reading the text? What are the critical concepts and undentandings—big ideas you want your students to acquire?
PURPOSE FOR READING TEXT	What are the content instructional goals and objectives? What are the literacy instructional goals and objectives?
TEXT READING VOCABULARY	Which words will your students need to know! Which are worth knowing? Which would will you students need to know! Which are worth knowing! Which would have been student to be a student of the control of the students of the
LANGUAGE STRUCTURES [Phrases, Clauses, Sentence Comprehension]	Are there phases, classes, sentence structures that may be difficult for your students) How and when will you directly such sentence compelentated. How and when will you study students to work with challenging sentences; to work of you facilitate the integration of ideas within and between sentences, e.g., the use of cohesive to use and convenced in the way and when you study in the within the work with there!
KNOWLEDGE Fact Structure Background Knowledge	How in the text approach? How and when will you directly such students the purpose, features, and upon whosts of different general How will you such students to use the students are upon which and an elegent feet was featured. What to displace was not elegent the read installed. What to displace was not elegent feet with students and will be text? How and when will you trach students are considered and will great the students and will not trach students and considering in critical to understanding and relegance in with the text?
LEVELS OF UNDERSTANDING AND INFERENCE	How will you teach students to construct meaning air different levels of understanding, including the surface code, tenthase, and mental model of tent? How will you directly teach students to use inference to mirrigate idea and connect background knowledge to the tenth. As the surface is to use inference from will you support your fusional order comprehension of tenth.
EXPRESSION OF UNDERSTANDING	What strategies and activities will you use for students to demonstrate understanding at different levels, during and after reading? How will you support their oral and written expression of understanding? Nancy Honnessy 62000 Brookes Publishin

Comprehension instruction resources

Understanding and Teaching Reading Comprehension: A Handbook https://www.routledge.com/Understanding-and-Teaching-Reading-Comprehension-A-handbook/Oakhill-Cain-Elbro/p/book/9780415698313

Robust Comprehension Instruction with Questioning the Author https://www.guilford.com/books/Robust-Comprehension-Instruction-with-Questioning-the-Author/Beck-McKeown-Sandora/9781462544790

The Reading Comprehension Blueprint

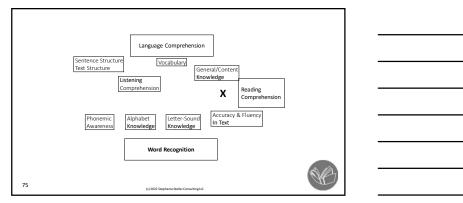
https://products.brookespublishing.com/The-Reading-Comprehension-Blueprint-P1197.aspx

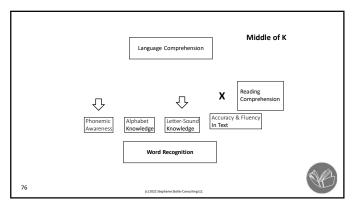
Literacy How Professional Learning Series: Syntax $\underline{https://www.literacyhow.org/blog/professional-learning-series-syntax/}$

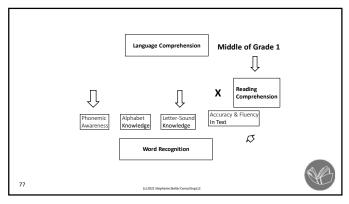
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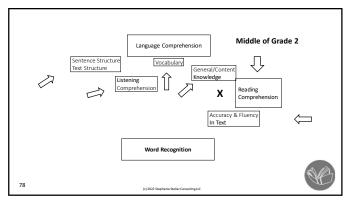


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Research on How to Teach Reading

Features of Effective Instruction

- Reducing task difficulty and breaking tasks into smaller units
- Providing scaffolds and support
- Teaching in a planful sequence, from easier to harder
- Providing explicit models of new skills
- Supported practice with immediate corrective feedback
- Extensive independent practice with cumulative review

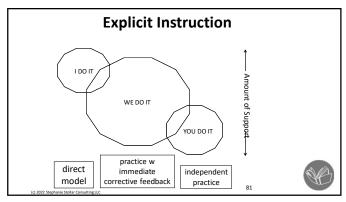


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How to Teach Systematic **Explicit** Sequential New skills are directly modeled Skills are taught in order from easier to harder; Pre-Consistent instructional routines are used to guide students to correct requisites are taught first Students are guided to the responses Component or correct response foundational skills are taught directly to support Instructional time is carefully allocated to Error response includes immediate corrective maximize time on task higher-order skills feedback Cumulative review Intentional sequence within and across lessons; within and across grades Skills are practiced to

mastery and automaticity

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Explicit, Systematic & Sequential Lessons

State the goal

Brief review

Attention to sounds in a word

Explicit intro of new sound-spelling pattern (I Do It)
Mapping phonemes to graphemes

Blending letter sounds

Reading the word

Discuss word meaning as needed

Practice reading the words in a list, phrase, sentence

Spelling, Dictation

Practice in controlled, decodable text



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Structured Literacy



https://dyslexiaida.org/what-is-structured-literacy/

What to Teach

- Phonology
- Orthography Morphology
- Syntax
- Semantics

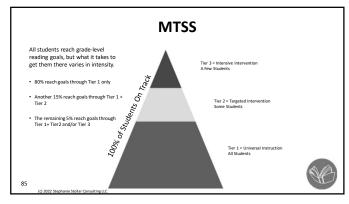
How to Teach

- Explicit
- Systematic
- Cumulative
- Diagnostic



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Skill Area	Explicit Literacy Instruction	Typical Literacy Instruction	
Phoneme Awareness	Emphasis on the sounds in spoken language distinct from and prior to phonics instruction; Phoneme awareness used as the starting point for print	Letters used as the starting point for reading; Reading treated as a visual skill; Confusion of phonemic awareness and phonics; Avoidance of segmenting spoken words	
	Intentional instruction in letter-sound combinations; Sequenced from easier to harder for reading and spelling; Application of word reading in print	Phonics taught whole to part (analytic) incidentally as students make mistakes in text or by analogy (word families); Mini lessons responding to student errors	
Vocabulary & Oral Language	Oral language as the reference point for print; Books used for reading aloud are more challenging than those students read independently; Scripted teacher dialogue	Modeling reading aloud from the leveled books students will read; Nondirective questioning and discussion	
Text Reading Fluency	Young students read text that is controlled to include only those phonics patterns that have been explicitly taught; Fluency building only after accuracy; High degree of teacher-student interaction with immediate corrective feedback	Use of leveled or predictable texts that are not controlled for decoding difficulty; Error response focuses on picture cues or the use of context to determine words; High degree of independent silent reading; Miscue analysis	
Reading Comprehension	Background knowledge, text structure, and strategies overtly modeled and practiced in a planned progression (c) 2022 Stephanie Stollar Consulting	Activities such as choral reading, shared reading and guided reading; Student book	



Tier 1: Core Reading Instruction

All students

Purpose – Primary Prevention - get most students to grade level reading performance

- 90-120 minutes every day
- Evidence-aligned scope and sequence, instructional routines, materials
- Highly differentiated
- Whole group and small group formats
 - Flexible skill-based groups (5-7 students)
- Planned by grade-level team using universal screening data
- Causes at least 80% of students to reach grade-level expectations



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	К	1	2	3
8:00 - 8:30	Whole Group	Whole Group	WIN	
8:00 - 9:30				Math
8;30 - 9:30	Small Group			
8:30 - 9:15		Writing	Writing	
9:30 - 10:15	writing			sSience
9:15 - 10:15		Small Group		
9:15 - 10:00			Specials	
10:00 - 10:45	S		Whole group	
10:15 - 11:00	pecials			
10:15 - 11:30		Math		Social studies
10:45 - 11:45			Small Group	
11:00 - 11:45	Lunch and Recess			
11:30 - 12:15		Lunch & recess		Whole Group
11:45 - 12:15			Lunch and recess	
12;00 - 12:45				Lunch and recess
11:45 - 1:00	Math			
12:15 - 1:00		Specials		
12:30 - 1:45			Math	
12:45 - 1:30				Writing
1:00 - 1:30	WIN	WIN		
1:30 - 2:15	Science	Science		
1:30 - 2:30				Small Group
1:45 - 2:30			Social studies	
2:15 - 3:00	Social Studies	Social Studies		
2:30 - 3:00			Science	WIN
1	1 1		1	(a) 2022 Cambrelle Carlle

	Instruction	Time			Configur	ation			Skill	
		25-30 minutes	Whole Group (Groups 1-4)						Oral Language Vocabulary Listening Comprehension	
			15 mins each group	М	T	w	Th	F	Phonemic Awareness, Phonics, Spelling, Reading Fluency, Reading	
	es		Cycle 1	1	1	1	1	1	Comprehension	
	90 min utes	60 minutes	Cycle 2	2	2	2	2	2		
	E 0	minutes	Cycle 3	3	4	3	4	3		
	o,		Centers						When students are not at the teacher led station receiving explicit instruction, students will be working in small groups at literacy centers/stations reinforcing skills taught during whole group/ teacher led small group.	
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Select Programs Based On:

- Alignment with Research
- Match with Student Needs
- Usability and Organization
- Assessments
- Professional Development
- Cost

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Across Skills							
	Overview of Fire	t Grade Open Court Less	on Plans				
		eather Unit 5: Lessons 1-5		1			
	Phonics	Comprehension	Language Arts	4			
	My Spelled ge, g. Long Avi Spelled e, and e_e Review. An Spelled v, Long Avi Spelled u, u, e, Ny Spelled e, g., Long Avi Spelled e, e, e. Review Long e Spelled e, e, e. Lone Avi Spelled ee, e, e.	Strategies: Asking Questions Monitoring and Clarifying Making Connections Skits: Main idea and Details	Concept Vocabulary Writing Instructions Grammar: Adjectives Listering: Fact or Opinion? Penmanship: The Letter His				
	Phones	Occuprehension	Language Arts				
	Long Vestell Folkweit by Folkweit by Long Vestell Folkweit by Folkweit by Long Jul Spelled atay . W Spelled atay . M Spelled ataye Long lat Spelled atye Long for Spelled atye	Strategies: Visualizing Summarizing Making Connections	Vocabusy, Corted Crues Witing: Signs and Labels Grammar: Vete Speaking: Coar Speech Permanship: The Letter Od				
	Phonics	Comprehension	Language Arts	i .			
91							

Lesson	Doy	Sound/ Spelling	Core Decodobles	Practice Decodables	High-Frequency Words Introduced
GETTING S	rábits				
	1	AL ID			
	1	Cr. Del			
	3	Ea, PL Gg	Care the Decodable I See	Practice Pre-Decodulate I See the Biokpools	sec the
	4	10, 5, 4			
	5	KIL LI, Man	Care Re-Decodable 2 (p.	Proctice the Decodable 2 The Flog	is, up
	6	Not, Oo, Pp			
	7.	Oig Bt, St	Care the Decodable \$1 Nove	Procedure Pre-Decordable 2 (p. (p. (p.	have, I
		75, Day, Viv.			
		We Xx Yx 21	Core Pre-Decodable # Trave Is	Proctice the Decodable 4 (p.15e.16)	s, there
	10	Review Ap-21			
Unit 1					
Lesson I	1	A/ galled s			
	2	/n/ peliet n	Core the Decodable 5 / Con See	Proctice 5 Are-Decodable See the 28x	con, on
)	As' quiled o	Care # Son, Son, Son	Proceding & Son on the Hill	on .
	4	AV spelled Ford #	Core 7 Mett and Son	Practice 7 Matt?	and
	5	Berlew	Care # On + Milf	Practice E.A.McF	
Lesson 2	1	/6/ spelled d	Care FOod Saf	Proctice # Ind	
	2	/tv/ spelled a	Care ID Aids	Process A Social	
	3	/if gelled /	Care # St	Practice # Six and Sid	64, 9
	4	/N/ gelled t _i	Core & A.Hirl	Procedor IZ A MIT	hod, him, sold
	5	Spriew	Care (2 Mint)		in .
Lesson 3	1	/pr spelled p	Care R RF1 Mgr	Procedor of Para and High	
	2	At golde land 8	Core & Lin and Rd	Practice N A Plant	
	3	Av' spelled a	Care M.A. Spot	Practice & Tom and Pap	has

	Component	Purpose	Time
1.	Purpose of the Lesson	Gain attention, clearly state purpose	30 sec-1 min
2.	Review (PA, phonics skill, sight words)	Actively engage students in demonstrating what they remember and don't remember from previous lessons	2 min
3.	Phonological Warm Up (listen for sound, pronounce sound)	Activate phonological processor; anchor patterns to be learned in speech	2-3 min
4.	Phoneme-Grapheme Mapping (regular and irregular words)	We Do It Match speech sounds to letters used to represent them in print	5 min
5.	Word Reading (blend and read words, word sort, word chaining, flip books, speed drills)	We Do It Practice accurately reading words with the new pattern; Learning to write words with the new pattern; Building fluency and automaticity of reading words with the new pattern	10 min
6.	Spelling to Dictation (words, phrases, sentences)	We Do it Practice encoding words with the new pattern	5 min
7.	Transfer to Text (choral reading, partner reading, independent reading, retelling, summarizing)	You Do It Practice accurately and fluently reading words with the new pattern in the context of controlled, decodable text to support comprehension; Practice writing sentences and stories that include the new patterns.	10 min

Review Tools

1. Reading League Curriculum Evaluation Tool

https://www.thereadingleague.org/wp-content/uploads/2020/08/Curriculum-Evaluation-Tool-August-2020.pdf

2. Arkansas Literacy Curriculum Tool

https://dese.ade.arkansas.gov/offices/learning-services/curriculumsupport/approved-science-of-reading-curriculum

3. Colorado Instructional Program Rubrics (core, supplemental,

https://www.cde.state.co.us/coloradoliteracy/advisorylistofinstructionalprogramming2020 (c) 2022 Stephanie Stoller Comulting LLC

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Small Group Instruction

Effective because teachers can provide more:

- targeted instruction
- immediate corrective feedback
- opportunities to respond

Rather than grouping based on leveled text and using guided reading:

- Base groups on patterns of skills
- Use principles of effective instruction
- Provide double dose in Tiers 1 and 2 to students at risk

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- 7				

Flexible Service Delivery

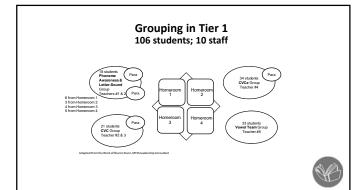
Prioritize the needs of the students to drive the schedule Create a schedule that allows resource personnel to support differentiation of Tier 1 classroom reading instruction Consider "Walk to Read" and "All Hands on Deck" to differentiate Tier 1



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Tier 2: Strategic Reading Instruction

Some students

Purpose – Secondary Prevention - catch up students who are at risk

- 30-45 minutes; 3-5 days/week; in addition to core instruction
- Evidence-aligned scope and sequence, instructional routines, materials
- More explicit, systematic, supportive
- Smaller, flexible, skill-based groups, narrow range of skills (3-5 students)
- More frequent progress monitoring
- Planned by grade level team with screening & diagnostic data
- Causes an additional 15% of students to reach grade-level



	Skill 1	Skill 2	Skill 3	
		JKIII 2		
Typical Student				
Struggling	Skill	1	Skill 2	Skill 3
Student (rem	oved			
from T1 to get T2)	Skill 1	Skill 2	Skill 3	
Alternative (T2 in addition to T1)				
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Tier 3: Intensive Reading Instruction

A few students

Purpose – Tertiary Prevention - keep students' skills from getting worse, help them catch up

- 45-60 minutes; 5 days/week; in addition to core
- Evidence-aligned scope and sequence, instructional routines, materials
- More explicit, systematic, supportive
- Smaller, flexible, skill-based groups, narrow range of skills (1-3 students)
- More frequent progress monitoring
- Planned by student-level team with screening, diagnostic and progress monitoring data





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Elements of Intervention

Look for intervention that includes:

- Small group
- Explicit and systematic instructional routines
- Targeting one priority skill
- Integration across skills
- Frequent opportunities to apply new skills in reading and writing



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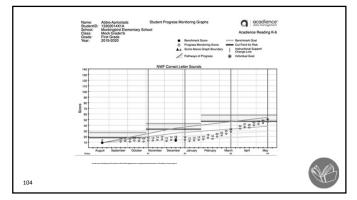
How to Intensify Support

- More Explicit Model
- More Targeted Skill
- More Opportunities to Respond
- More Immediate Affirmative and Corrective Feedback
- More Practice
- More Individualized Incentives



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Strategies for Talking About the Science of Reading With Others

- Connect to something of urgent interest
- Start with on focus on the willing
- Offer to learn together
- Share research become a resource
- \bullet Focus on the WHY, not the what or how



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Conclusions

- All students deserve to learn to read
- All teachers deserve the knowledge that will support students to be readers
- What is known about how children learn to read can inform our work
- · What and how we teach really matters
- A focus on prevention will ensure more children learn to read and reduce the need for intervention

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Where To Start?

Proposed Sequence for Analyzing & Improving Tier 1

- 1. Establish an assessment system build consensus and urgency
- 2. Learn about the science of reading
- 3. Learn the collaborative problem solving process

Phase 2

- 4. Use universal screening data to analyze Tier 1 curriculum and instruction
- \bullet 5. Implement a Tier 1 schedule for K and 1
- 6. Adopt flexible service delivery
- \bullet 7. Group based on foundational skills during Tier 1 instruction Phase 3



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