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Scholastic Ready4Reading

A Literature Review on Foundational Research (Executive Summary)

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OVERVIEW AND LOGIC MODEL

A new report from the Johns Hopkins University Center for Research and Reform in Education (JHU CRRE) documents how Ready4Reading (R4R), a supplemental phonics program, is well aligned with contemporary research on the science of reading and has a strong potential to positively impact early literacy outcomes for students in the primary grades.

The document includes a Logic Model that outlines how the program may function to improve early literacy skills (see Figure 1). It outlines the program inputs (e.g., explicit, systematic teaching of phonics concepts through Wiley Blevins Teaching Phonics, Short Reads Decodables, Read to Know Text Sets, interactive activities and videos, formative assessment, professional development, technology, and headphones) needed to launch R4R successfully and documents the targeted activities and pedagogical strategies (e.g., 60 minutes a week of explicit phonics instruction combined with highly decodable texts; integration of phonics concepts with other essential literacy skills, such as knowledge building, vocabulary development, writing, and reading comprehension; use of interactive activities with high-interest text aimed at high engagement; and use of differentiation, culturally responsive materials, and Universal Design for Learning (UDL) principles to ensure equity and learning) needed to generate the outputs (e.g., data on student progress, engagement, and achievement) that lead to short-term (proximal) outcomes (e.g., students receiving more consistent school-level literacy instruction, more responsive and student-centered phonics instruction, increased reading motivation, and development of faster fluency with grade-level texts) and long-term impacts.

As teachers learn practical strategies to carry out evidence-based phonics instruction and receive data on students' individual strengths and weaknesses, educators can provide more targeted support aligned with individual student needs. Students then develop faster fluency with grade-level texts. As students read more texts that feature characters, communities, and experiences relevant to their lives and to the lives of others, they gain a sense of belonging, become more engaged, and want to read even more. Consequently, they demonstrate improved phonics skills and reading achievement on standardized assessments.

LOGIC MODEL			
Program Inputs	Pedagogical Strategies	Proximal Outcomes	Long-Term Impacts
Systematic, Research-Based Phonics Curriculum: • Explicit, systematic	Systematic, explicit phonics instruction combined with highly decodable texts	Improved and more consistent school-level early literacy instruction	Improved long- term interest in engagement with reading in students
teaching of phonics concepts through Wiley Blevins's instructional approach Short Reads Decodables Read to Know Text Sets	phonics concepts while addressing other essential reading skills, (e.g., knowledge- building, vocabulary development, reading comprehension, writing) Use of interactive activities and high- interest texts aimed at student engagement in reading and	centered phonics instruction that is targeted and responsive to student needs Faster development of student fluency with reading grade-level texts	with early literacy teaching Enhanced equity of school-level literacy instruction with lmproved student phonics skills and reading achievement learning of content-oriented subject.
scaffolds, student practice materials, multimedia, and tools for differentiation Formative assessment tools and student progress monitoring Robust teacher professional development,		3 3	

The report also highlights five areas where R4R is uniquely suited to generate success due to its close alignment between the science of reading and learning and the program:

1) Provide systematic, explicit instruction

Because beginning readers who are taught systematic and explicit phonics are better able to decode, spell, and comprehend text compared to students who receive implicit instruction (Blevins, 2017; Castles et al., 2018; Ehri, 2022; Foorman et al., 2016; Lindsey, 2022; NICHD, 2000), R4R intentionally follows a clearly defined, systematic scope and sequence that progresses from simple letter-sound relationships to blending and applying more complex aggregated (chunked) sound spellings to allow students to practice and apply their decoding skills.

Research shows that effective phonics instruction should explicitly and systematically address the following (Castles et al., 2018; Ehri, 2021; Ehri, 2022; Foorman et al., 2016; Hudson et al., 2012: NICHD, 2000):

- Phonological Awareness: Since research shows that the ability to identify and manipulate different sounds within words (i.e., syllables, onsets/rimes, and phonemes) is predictive of word recognition, reading, and spelling performance (Mues et al., 2021), R4R teaches students that syllables can be divided into onsets and rimes.
- Phonemic Awareness: Because orthographic mapping is impossible without the ability to discriminate and manipulate phonemes (Lindsey, 2022), students practice hearing, identifying, blending, segmenting, manipulating, and distinguishing sounds in words in R4R
- Alphabet Knowledge: During explicit alphabet instruction, R4R teaches students letter names and sounds simultaneously. This approach has been shown to be highly impactful for letter-sound learning (Piasta et al., 2010; Roberts et al., 2018).
- Phonics Knowledge: Since research shows that effective sound-spelling knowledge should "teach the highest utility sound-spelling correspondences, from the alphabet to the most common single-syllable CVC words, to more sophisticated common patterns, covering all 44 phonemes" (Lindsey, 2022, p. 103), R4R explicitly teaches the sound-spelling patterns of consonants and short vowels, consonant blends, and digraphs. The program then progresses to long vowels and complex vowels. Word study is integrated throughout, beginning just as students blend CVC words, starting with simple inflectional endings and going through the scope and sequence to inflectional endings with base changes, syllabication, and morphemes.
- **Spelling:** R4R explicitly teaches spelling, since research suggests it reinforces orthographic mapping (Ouelette et al., 2017).
- **Decoding:** Since experts agree that students must learn explicit strategies to decode words (Mesmer & Kambach, 2022), R4R teaches students to pronounce phonemes corresponding to letters with no pauses rather than pausing between phonemes before blending.
- Morphology/Word Study Knowledge: Because knowledge of morphemes enables individuals to more efficiently decode and better understand the meanings of words (Apel et al., 2021), R4R teaches students how to identify compound words, syllable types, root words, and affixes and to apply their understanding of each word part to their understanding of the entire word.
- **High-Frequency Words:** Since the What Works Clearinghouse recommends teaching high-frequency words with regular and irregular sound spellings so that students can recognize them efficiently (Foorman et al., 2016), R4R explicitly teaches high-frequency words selected from the Dolch and Fry sight word lists.

- Reading Practice With Decodable Texts: Since controlled or decodable texts allow beginning readers to rely more on decoding (Adams, 1994); apply phonics skills; and improve their alphabetic knowledge, word identification, phonemic awareness, spelling proficiency, comprehension, and reading fluency (Cheatham & Allor, 2012), R4R uses decodable texts to practice readings.
- Vocabulary: R4R applies evidence-based vocabulary instructional strategies, such as prioritizing academic words with high utility across subject domains (Beck et al., 2013), teaching words in context (Beck et al., 2002), educating students to use morphology (roots, prefixes, suffixes), engaging students in activities where they focus on the critical attributes of new words (Archer & Hughes, 2011) and providing multiple exposure to words (McKeown, 1985).
- Comprehension: R4R deliberately engages students in repeated reading practice and provides opportunities and scaffolds that allow them to make predictions, summarize themes and main ideas, make inferences, generate questions, and use context clues to decipher unknown words to help with literacy development (Slavin, 2009).
- Text-Based Discussion and Writing: Because writing about texts improves students' word reading, reading comprehension, and reading fluency skills (Graham & Hebert, 2011), R4R integrates writing opportunities throughout each phonics and decodable text lesson. Students encode each letter-sound relationship while practicing letter formation. Dictation offers students an engaging way to build critical writing and spelling skills with teacher guidance and corrective feedback. Students are also asked to write their retelling of a text after they finish reading a decodable passage.

2) Integrate phonics instruction with essential literacy skills, such as vocabulary, comprehension, and writing

R4R program components and instructional strategies are aimed explicitly at fostering student interest in and engagement with reading, which are critical for early literacy success (Brandt et al., 2021), including interactive activities and the incorporation of decodable texts and text sets aimed explicitly at student interests (Guthrie et al., 2012; Ryan & Deci, 2017).

3) Focus on engagement with reading

The incorporation of resources aimed at providing differentiated instruction, including the program's multimedia components, interactive features, and student-centered practice materials, are evidence-based strategies proven to enhance student engagement (Tomlinson et al., 2003; Rappolt-Schlichtmann et al., 2012).

4) Capitalize on formative assessment to facilitate responsive, data-driven instruction

R4R incorporates continuous assessments that provide educators with targeted data and actionable insights to optimize literacy instruction. Formative assessment—the ongoing assessment process to inform instruction—can positively impact student reading achievement (Kingston & Nash, 2011; Xuan et al., 2022).

5) Offer equity-focused instruction

The R4R program approaches equity in three ways: 1) by promoting inclusion and culturally responsive pedagogy (Hollie, 2018; Hammond, 2014); 2) by incorporating components of the Universal Design for Learning framework (Rappolt-Schlichtmann et al., 2012; Rose et al., 2005); and 3) by providing opportunities for formative assessment and feedback to promote a highly personalized learning experience for students.

In the context of this research base, there is significant evidence that R4R is well-positioned to positively influence early literacy instruction in the primary grades and to potentially enhance reading outcomes for students. The breadth of foundational research supporting the program's overarching approach and methods aligns closely with research-based best practices in literacy science and meets the qualifications for the ESSA Tier 4 evidence category for schools seeking a comprehensive phonics solution.

For more details, please see the full report at this link.

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