Science of Reading Alignment

Intertwining to Develop Skilled Readers

Scarborough's Reading Rope serves as a guiding light for RoboKind Phonics to guide students through direct and explicit instruction. By integrating the key components intertwined in Scarborough's Reading Rope within play-based lessons with multi-sensory activities embedded, we pave the way for student success in building a solid foundation in reading.

RoboKind is not associated with LETRS

RoboKind strives to develop a strong literacy foundation by including research-based practices to develop word recognition and language comprehension skills. RoboKind's lessons align with Science of Reading training programs like LETRS.

LETRS Units 1-4 **RK Phonics Units 1-4**

Word Recognition (Volume 1)
. . .

Skilled readers possess an understanding of language, enabling them to comprehend written text with ease. Language Comprehension is developed from 5 concepts:

- Background knowledge
- Vocabulary
- Language structures
- Verbal reasoning
- Literacy knowledge

LETRS Units 5-8 **RK Phonics Units 1-4**

Language Comprehension (Volume 2)
. . .

Proficient readers master both decoding and sight recognition, effortlessly navigating through words on the page. Word Recognition can be broken into 3 components:

- Phonological awareness
- Decoding
- Sight recognition

Science of Reading Concepts Crosswalk

Phonical Awareness, Letter Recognition and	Vowel Phonemes	Consonant Phoneme	Phonics	Phonological Working Memory
LETRS Unit 2 Session 7; Unit 3 Session 4 RoboKind Units 1-2	LETRS Unit 2 Sessions 5-6; Unit 3 Session 2 RoboKind Unit 2	LETRS Unit 2 Session 4; Unit 3 Session 1 RoboKind Unit1	LETRS Unit 2 Sessions 1-3; Unit 3 Session 1 RoboKind Unit 1-4	LETRS Unit 2 Session 1 RoboKind Unit 1-4

Rapid Automatic Naming (RAN)	Decoding Practice	Decodable Texts	High Frequency Words	Syllable Types
LETRS Unit 2 Session 1 RoboKind Units 1-2	LETRS Unit 3 Session 1-2 RoboKind Units 3-4	LETRS Unit 3 Session 7 RoboKind Units 3-4	LETRS Unit 3 Session 6 RoboKind Units 3-4	LETRS Unit 3 Session 2; Unit 3 Session 5' Unit 3 Session 3 RoboKind Units 1-2

Science of Reading Alignment

The RoboKind Phonics Level 1 curriculum offers a comprehensive educational experience that seamlessly integrates the Science of Reading and LETRS training methodologies. Aligned with our vision of celebrating the joy and success of learning for all, this curriculum intertwines these concepts to provide a well-rounded, research-based approach to literacy. Embracing our mission of delivering equitable, engaging, and effective learning opportunities through I-VAKT™ (Interactive Technology, Visual, Auditory, Kinesthetic, and Tactile) experiences, this document illustrates how these components work together to enhance foundational competencies and support every learner's success.

LETRS Unit 1, Sessions 1-3

Repetition of Practice and Multisensory Input
Embedded throughout RoboKind Phonics Level 1

The multisensory strategies embedded in RoboKind Phonics (I-VAKT™) help learners make more neural connections with different learning inputs to foster the retention of skills. Repetition occurs throughout lessons as learners review multiple audio and visual examples and practice using the camera mirror to increase targeted skill retention.

LETRS Unit 1, Session 4

Phonological Awareness (Scarborough's Reading Rope)
Embedded throughout RoboKind Phonics Level 1

In RoboKind Phonics Units 1 and 2, learners practice their phonological awareness skills with phoneme isolation to identify the target sound in various words. In Units 3 and 4, learners practice phoneme blending (a key phonological awareness skill).

LETRS Unit 1 Session 6

Dyslexia
Embedded throughout RoboKind Phonics Level 1

RoboKind Phonics covers instruction in the areas of deficits identified in learners with dyslexia, including support for phonological processing and naming speed. Lessons break down phonics rules and patterns through explicit instruction, enhancing learners' decoding and blending skills.

LETRS Unit 1, Session 4

Decoding (Scarborough's Reading Rope)
Embedded throughout RoboKind Phonics Level 1 Units 3 & 4

Learners practice decoding various syllable types and words by applying phoneme isolation through multisensory, play-based strategies. This includes using flashcards, decoding passages with the targeted sound highlighted, and reading words that begin with that sound.

LETRS Unit 1, Session 4

Sight Word Recognition (Scarborough's Reading Rope)
Embedded throughout RoboKind Phonics Level 1 Units 3 & 4

Learners practice decoding six words each lesson with different syllable types to help increase the accuracy and speed of retrieval when reading. The sight words in RoboKind Phonics align with the target sound and the Dolch and Fry sight word lists.

LETRS Unit 2 Session 1

Rapid Automatic Naming (RAN)
Embedded throughout RoboKind Phonics Level 1

Learners play interactive games that link the oral and written forms of consonant and vowel practice. For example, learners can trace and write the different letters and hear the robot and avatar say the letter name. Our Interactive Sound Wall allows learners to see and hear the targeted phoneme associated with each letter.

Ehir's Phases of Word-Reading Development
Embedded throughout RoboKind Phonics Level 1

RoboKind Phonics Level 1 follows a systematic approach that moves through Ehir's Phases. Units 1 and 2 focus on the Early Alphabetic Phase, emphasizing letter names and sounds. Units 3 and 4 focus on the Later Alphabetic and Consolidate Alphabetic phases involving blending 3-4 phoneme words, increasing word recognition, and linking phonemes and graphemes.

Assessment
Embedded throughout RoboKind Phonics Level 1

RoboKind Phonics assessments include both pre- and post-assessments that evaluate uppercase and lowercase letter recognition, phoneme segmentation, closed-syllable decoding, and reading attitudes through a comprehensive survey. Additionally, we offer a progress monitoring assessment, which is recommended and prompted after every 10 lessons completed, to track learner progress and ensure targeted instructional support.

Phonological Working Memory
Embedded throughout RoboKind Phonics Level 1

RoboKind Phonics lessons incorporate a variety of techniques to help learners transfer phonological knowledge from Working Memory into Long-Term Memory. These techniques include practice with visual prompting, multisensory supports, acute practice, structured and scaffolded tasks, condensed explicit instruction, and immediate feedback.

High Frequency Words
Embedded throughout RoboKind Phonics Level 1 Unit 3 & 4

The RoboKind Phonics Flashcards feature words that match the syllable-type pattern of the lesson objective. 30% of decodable flashcards are aligned with Fry and Dolch high-frequency word lists.

Phonics
Embedded throughout RoboKind Phonics Level 1

Phonics must be taught explicitly (directly) and systematically (sequentially) to learners. In RoboKind Phonics, learners complete phonemic awareness activities that include phoneme counting, blending, and segmentation.. Each lesson includes phonemic awareness practice with a direct link to a targeted phonics lesson objective.

Consonants
Embedded throughout RoboKind Phonics Level 1 Unit 1

In Unit 1, consonants are paired together if they are voiced and unvoiced versions of the same mouth formation. With the interactive Sound Wall, learners hear an audio clip of the sound and see an x-ray video of the sound. Each lesson adds new sound cards to the Sound Wall to introduce concepts progressively to learners.

Vowel Phonemes
Embedded throughout RoboKind Phonics Level 1 Unit 2

In Unit 2, RoboKind Phonics uses a digital vowel valley to teach vowel phonemes that are arranged by the position of articulation: front, low mid, and back rounded, as well as r-controlled vowels. Learners are provided an x-ray video and audio recording of the sound. Each lesson adds new sound cards to the vowel valley to introduce concepts progressively to learners.

Syllable Types
Embedded throughout RoboKind Phonics Level 1 Unit 3 & 4

In Unit 3, the curriculum focuses on closed syllables (CVC, CCVC) and different word families following the same syllable pattern are practiced. In Unit 4, learners focus on decoding different syllable-types, including open syllables, r-controlled vowels, and vowel-consonant-E words.

*RoboKind is not associated with LETRS

Teaching Phonological Awareness, Letter Names, and Phonics
Embedded throughout RoboKind Phonics Level 1

Every lesson includes Phonemic Awareness practice. In Units 1 and 2, learners practice sound isolation by identifying target sounds in images of various words. In Units 3 and 4, learners practice building and writing the words. Learners focus on sound production by interacting with picture cards, listening to audio clips, watching X-ray videos of the phonemes, and using a camera mirror to observe their mouth movements.

Decodable Texts
Embedded throughout RoboKind Phonics Level 1 Unit 3 & 4

In Units 3 and 4, decodable passages provide multiple opportunities for targeted phoneme and syllable-type practice. Learners utilize a digital highlighter to cover the letters in words that match the lesson objective.

*RoboKind is not associated with LETRS

As you implement the RoboKind Phonics Level 1 curriculum in your classroom, you'll be equipped with a powerful tool that leverage the Science of Reading and LETRS training methodologies to foster literacy growth for all learners. By aligning instructional practices with research-based strategies, RoboKind expands your teaching impact and supports your learners in developing strong foundational reading skills. We are confident that this curriculum will empower you to create engaging and effective learning experiences, ultimately leading to greater learner achievement and improving attitudes towards reading and writing. RoboKind envisions a future where all learners and their teachers can celebrate the joy and success of learning together.