## A Ant Read 180

## Science of Reading: <br> Building a Reading Brain

Grades 3-12


## Effective Instruction and Practice

Discover Read 180, an intensive reading intervention program rooted in the science of reading research. The science of reading explores the cognitive and neurological processes in reading and how to effectively teach them. Read 180 incorporates key components of this research-phonemic awareness, phonics, fluency, vocabulary, and comprehension. With personalized instruction, adaptive technology, and ongoing assessment, students receive tailored support in learning to read.

Read 180 follows the science of reading principle of explicit and systematic instruction, providing step-by-step guidance in essential reading components while offering diverse practice opportunities. Unlock the power of reading with Read 180 and empower students to excel in their literacy journey.


## Students impacted by Read 180 daily!

## นิต R Read $180^{\circ}$

## Grounded in Evidence-Based Instruction

Read $180^{\circledR}$ provides explicit and systematic instruction in key literacy elements as well as personalized and targeted support to meet the unique needs of each student.

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## Based on Research

Intensive intervention programs, such as Read 180, incorporate both Scarborough's Rope Model and the five pillars of reading into their instructional approach. The program utilizes both teacher-led instruction and student application software to enhance students' reading skills in all strands of the rope model. By focusing on all the essential components of reading, Read 180 helps struggling readers build a strong reading foundation and improve their reading outcomes.

## THE MANY STRANDS THAT ARE WOVEN INTO SKILLED READING

## LANGUAGE COMPREHENSION

## BACKGROUND KNOWLEDGE

 (facts, concepts, etc.)VOCABULARY
(breadth, precision, links, etc.)
LANGUAGE STRUCTURES (syntax, semantics, etc.)

VERBAL REASONING (inference, metaphor, etc.) LITERACY KNOWLEDGE (print concepts, genres, etc.)

## WORD RECOGNITION

PHONOLOGICAL AWARENESS
(syllables, phonemes, etc.)
DECODING (alphabetic principle, spelling-sound correspondences)
SIGHT RECOGNITION (of familiar words)


The image, used with permission from the Publisher, originally appeared in the following publication: Scarborough, H. S. (2001). Connecting early language and literacy to later reading (dis)abilities: Evidence, theory, and practice. In S. Neuman \& D. Dickinson (Eds.), Handbook of early literacy research (Vol. 1, pp. 97-110). New York, NY: Guilford Press.


# Instruction Guided by Five Pillars of Reading 

Read 180 integrates explicit and systematic instruction in phonemic awareness and phonics, laying a strong foundation for reading skills. Students boost fluency through strategies like repeated readings and modeled readings, and enrich vocabulary with a focus on academic words and context clues. To enhance comprehension, students learn effective strategies to understand and analyze text.

By incorporating the five pillars of reading into Read 180's instructional approach, the program equips teachers with the tools they need to support their students' reading growth and guide them to grade-level proficiency.

# Read 180 reading class has helped me improve not only my reading skills but also my focus, memory, and communication skills. 



Emily, Read 180 student

## Meaning Behind Each Pillar

First, let's review what each pillar means.

## PILLARS OF READING



Phonemic Awareness Phonics

Fluency
Vocabulary
Comprehension

## - PHONEMIC AWARENESS

Phonemic awareness is vital for decoding. Use word games, rhymes, and tongue twisters to help children identify individual sounds.

## PHONICS

After acquiring phonemic awareness, students progress to phonics. Phonics is crucial for decoding new words as it enables students to break down words into sounds and syllables, fostering strong reading skills.

## - FLUENCY

Fluency is reading with a pace that ensures comprehension, focusing on the text's meaning rather than individual words. Guided practice helps young readers build a fast, efficient reading brain.

## - VOCABULARY

Reading success relies on a strong vocabulary. Explicit teaching of vocabulary and word-learning strategies enhances fluency and comprehension. Young readers are eager learners, soaking up new words daily.

## - COMPREHENSION

Comprehension is the ultimate goal of learning to read. Students achieve it by learning various strategies for understanding different texts and their structures. As they apply and monitor these strategies, their ability to comprehend complex texts improves.

## Phonemic Awareness



Phonemic Awareness serves as the foundation of ReaL Book: Code lessons. Students are taught to distinguish the sounds of the English language that will serve them as they move toward decoding and encoding written language. The student application contains activities that require students to listen to and identify individual sounds in spoken words, which helps to develop phonemic awareness.

## 1 INTRODUCE

Phonemic Awareness
DO Introduce the phoneme. Explain that students are going to learn about words that have the /a/ sound, as in the key word apple. Echo the sound and the key word with students several times. Then explain that students are going to listen for the/a/ sound in words.
Model ISOLATING PHONEMES using words with /a//.
Explain that students are going to listen to words and identify the sounds they hear at the beginning, middle, and end of the word. Model using the word man.
am going to say a word and break it into its sounds. Then 1 am going to say the sound I hear at the beginning, in the middle, and at the end of the word. The first word is man, $/ \mathrm{m} / / \mathrm{a} / / \mathrm{n} /$. The beginning sound $\mathrm{is} / \mathrm{m} /$, the middle sound is $/ a /$ / the final sound is $/ \mathrm{n} /$ /
WE DO Guide students to isolate phonemes. Say an example word (sat) and have students repeat; then guide students to identify the phonemes in the word. Repeat the word and segment as needed. Let's try it together. Repeat after me: sat (sat), /s/ /a/ $/$. What's the first sound you hear? (/s/) What's the midale sound? (/a/) What's the final sound? (/t/) Repeat for the word map.

YOU DO Have students isolate phonemes. Say pat, mad, pad, nap, and can. Have students repeat each word and tell you its initial, middle, and final sound
"My students are having difficulty isolating sounds." Distribute Elkonin Boxes and have students tap the boxes or use colored chips to track the sounds.

2 TEACH
Letter-Sound Correspondence
DO Connect the letter $a$ to the sound/ă/. Write the letter $a$ on the board. Tell students that $a$ is a vowel. Explain that vowels can stand for more than one sound. Today we are working on the short a vowel sound:/a/.
WE DO Identify short $\boldsymbol{a}$ in the $\mathbf{C V C}$ pattern. Leave the letter $a$ on
the board and add the letters in mat. This is $/ \mathrm{m} / / \mathrm{a} / / \mathrm{t} /$, mat. Is the
first letter a consonant
bout the last letter?

The letters in mat ho consonant-vowel-co Repeat using the wc
pattern. In a vowel-
three boxes on the t etters $s$ - - - $t$ in the $b$ indicate whether th abel the word with Blend the sounds wit chorally pronounce Repeat this process words can, fan, man

Multilin Suppor
"My students are Describe and mod practice making th mouth position. Fc the word, having s the mirror to check

## 2 TEACH

 vowel sound: /ă/.
## Letter-Sound Correspondence

I DO Connect the letter a to the sound /ă/. Write the letter a on the board. Tell students that $a$ is a vowel. Explain that vowels can stand for more than one sound. Today we are working on the short a

WE DO Identify short $\boldsymbol{a}$ in the CVC pattern. Leave the letter $a$ on the board and add the letters in mat. This is $/ \mathrm{m} / / \mathrm{a} / / \mathrm{t} /$, mat. Is the first letter a consonant or a vowel? (consonant) Label it with a C. Is the middle letter a consonant or a vowel? (vowel) Label it with a V. What about the last letter? (consonant) Label it with a C.

## CVC <br> mat

The letters in mat have a consonant-vowel-consonant pattern. In a consonant-vowel-consonant pattern the vowel sound is usually short. Repeat using the word am. Label the letters in am to show the VC pattern. In a vowel-consonant pattern the vowel is also usually short.

YOU DO Have students identify short $\mathbf{a}$ in a CVC pattern. Draw three boxes on the board or distribute Elkonin Boxes. Write the letters s-a-t in the boxes and have students copy. Tell students to indicate whether the letters are consonants or vowels. Have students label the word with the CVC pattern. This word has a CVC pattern. Blend the sounds with me. Point to each letter and have students chorally pronounce the sounds and then the word: /s/ /ă/ /t/, sat. Repeat this process, asking students to label the CVC pattern in the words can, fan, man, mat, and tan and then blend them.


For students who demonstrate foundational skills gaps, teach the Phonological or Phonemic Awareness Routines aligned to demonstrated gaps.

Phonemic Awareness Routines can be targeted and administered efficiently to close demonstrated gaps in student learning.

## Phonological and Phonemic Awareness

## evidence-base <br> Phonological and Phonemic Awareness




Teachers are supported throughout Read 180 and build confidence and comfort in teaching Phonemic Awareness.

## Phonics




#### Abstract

Within the Code lessons, Phonics Application activities allow students to learn common English sound-spelling patterns, and then apply those patterns in a variety of contexts. The Apply the Code section of the Code lessons provides step-by-step instructional guidance and teacher modeling that is grounded in a research-based process for teaching foundational literacy skills.


## Apply the Code

## Review Short u

- Review the concepts. Remind students that short $u$ is a vowel and that a CVC word is spelled with a consonant-vowel-consonant


## Apply the Code

## Review Short u

- Review the concepts. Remind students that short $u$ is a vowel and that a CVC word is spelled with a consonant-vowel-consonant pattern and has a short vowel sound.
- Pronounce the sound /ŭ/. Remind students that the /ŭ/ sound is represented by the letter $u$.
- Read the Review box. Direct students' attention to the Review box and read it aloud. Segment the Review words into their sounds (/ŭ/ /p/; /l/ /ŭ//k/), emphasizing the vowel sound in each word and having students echo. Remember to clip the sounds of the consonants to avoid adding an 'uh' sound.


## Word List

- Introduce the activity. Read the directions aloud. Contrast the short $u$ sound with the other short vowel sounds and remind students that they are circling words with the short $u$ sound.
- Model the activity. Model decoding the first word by breaking it into its sounds and listening for the short $u$ vowel sound. This word is $/ \mathrm{m} / / \mathrm{u} / / \mathrm{d} /:$ : mud. I hear the / $\mathrm{u} /$ sound, which is the short u sound. I'll circle this word.
- Complete the activity. Continue to guide students until they are confident working independently. Share the correct answers.


## Write It

- Introduce the activity. Read the directions aloud.
- Model the activity. Model thinking by completing the first one. I see a pen in this picture. I hear the sounds /p/ /ĕ/ /n/ in the word pen. The /p/ sound is spelled with a $p$. Write it on the line. The /ĕ/ sound is spelled with an e. Write it on the line. The $/ n /$ sound is spelled with an n . Write it on the line. The letters p-e-n spell pen.
- Complete the activity. Have students complete the activity in pairs or independently. Share the correct answers.
udents that the /ŭ/ sound ng an 'uh' sound.
tions aloud. Contrast the al sounds and remind th the short $u$ sound. le first word by breaking cort u vowel sound. This / sound, which is the short u
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tions aloud.
completing the first one $\mathrm{s} / \mathrm{p} / / \mathrm{c} / / \mathrm{n} /$ in the word rite it on the line. The /ĕ/ line. The $/ \mathrm{n} /$ sound is eletters p-e-n spell pen. complete the activity in ct answers.


## Differentiated Instruction

Support

- If students are struggling to contrast the vowel sounds of printed words, then create a five-column chart on the board labeled /ă/, /ĕ/, /Ĭ/,/ŏ/, and /ŭ/. Have students read each word in the Word List activity and sort it into the correct column.
Reinforce
- If students are still learning to spell CVC words, then write the letters of each word in the Write It activity on the board in mixed order (write ck together). Segment each word into its sounds and have students select the letters that apply to the sounds they hear and write them on the line.


## Extend

- If students have mastered blending sounds to read short $u$ words and have successfully completed each activity, then challenge them to create new words with short $u$ using the digital Blending Board.

The student application
provides support and engaging activities that introduce new phonics concepts, like s-Blends.


## Start Building...



## Fluency

Fluency instruction grows with student readers-beginning with fluent reading of individual words and building toward fluent, accurate reading of grade-level passages. Each fluency lesson employs systematic fluency routines, adapted to each lesson, that engage students in the process of repeated readings.


Predictable and structured fluency routines are incorporated into each ReaL Book: Code fluency lesson. These routines follow a gradual release model, starting with explicit instruction in a fluency skill, followed by a teacher-led fluency routine. Students then practice applying the fluency skill through partner and independent fluency routines. This approach provides a systematic and effective way for students to develop their fluency skills and gain confidence in their reading abilities.

In the Comprehension Segments of the student application, students practice orally reading their reading passages multiple times. This builds automaticity and accuracy. At the end of the Segment, students record themselves reading the passage aloud. Teachers can then assess their students by using a fluency rubric.


The independent reading library offers age-appropriate texts at students' independent reading levels, covering diverse genres and topics and allowing students to engage with varied texts. Students who are reading foundational skills texts engage in a multiple reading process designed to support accuracy and fluency development.

## Vocabulary

Vocabulary skills are integrated and spiraled throughout the ReaL Book： Workshops．Read 180 Workshops front load high－utility，portable，academic vocabulary words students are likely to encounter across content areas．Teachers use the vocabulary routine to systematically teach the lesson＇s target words．

## Concept Map

In each circle，write a word or phrase that you associate with conformity． Prepare to discuss why you chose that word or phrase．

Language to Make Connections
One word I selected is
I selected this word because
I connected the idea of＿＿＿with the word＿＿．
I made this connection because＿．


## conformity


Language to Compare
Both＿＿＿and I associated the idea
of＿＿with＿＿
Similarly to＿＿＿my association
with＿＿is＿＿．

of ___ with ___.
with ___ is ___

10 Workshop $3 \cdot$ Part 1

In the Code Segments of the student application，students determine the correct meaning and usage of target words and then apply their understanding of word meaning in context by matching images with sentences．

In the Language Zone of the Comprehension Segments, students expand their vocabulary through activities such as word cards and word study lessons. These lessons cover various aspects of vocabulary development, including multiple-meaning words, compound words, synonyms, antonyms, homonyms, idioms, and common word parts.


## Comprehension



Within each Read 180 Workshop, comprehension skills are developed through Making Meaning lessons. These lessons feature texts that are carefully selected and sequenced to build upon one another, allowing students to make connections and develop knowledge networks. Close Reading tasks and Comprehension builders guide students through deep textual analysis, rereading of texts, and the development of high-utility comprehension strategies.


ReaL Book: Workshops provide a comprehensive literacy approach where texts build on one another, allowing students to make connections and build knowledge networks. This approach develops reading and critical thinking skills, enabling students to apply their knowledge to new contexts and situations.

Comprehension lessons guide focused rereading as students activate comprehension strategies they can apply and transfer across texts.


Comprehension is supported by offering students a toolkit of strategies to actively engage with texts, analyze their content, and develop a deeper understanding of the material. These strategies encourage
critical thinking, self-monitoring, and metacognitive awareness, empowering students to become proficient and confident readers.


Independent Reading Quizzes provide students with a way to monitor their comprehension progress for Read 180 paperbacks, audiobooks, eBooks, and eReads. These quizzes consist of multiple-choice questions for students to assess their understanding of the material.

Read 180

The Outsiders - Standard Quiz 2

What happened to Ponyboy's parents?
\% They died in a car accident.
0 They split up when Ponyboy was little.
\% They abandoned their children.

- $\bigcirc$ They moved to another town.


## Science of Reading Professional Development

With an evidence-based framework like science of reading, teachers need to have the right tools to ensure effective literacy instruction that aligns with research-based principles. These supports are designed to equip teachers with the knowledge, skills, and resources they need to foster strong reading and writing development in their students.

HMH's best-in-class professional learning offers high-quality, ongoing professional development that is essential for teachers to stay informed about the latest research and best practices in the science of reading. This support is offered live online, in person, and asynchronously. Our goal is to help teachers understand the components of effective reading instruction through Getting Started, guided learning pathways, on-demand resources, courses, and coaching.

## Guided Implementation Support

## Getting Started with Read 180

In these engaging sessions teachers will get to know the program organization, lesson structure, and digital resources available to them on Ed, the HMH learning platform. With the support of an HMH instructional coach, teachers will leave the session with an understanding of the program and how it aligns to the science of reading as well as a digital program how-to guide.

## Personalized Teacher Success

## Pathways on HMH Ed"

This pathway ensures personalized and on-demand support on Read 180-specific topics, such as planning, assessing, and differentiating learning to build teacher confidence in the first 30 days.


## Explore Teacher's Corner ${ }^{\circledR}$

Teachers are provided ongoing support with evidence-based instructional methods, approaches, and interventions that have been shown to be effective in teaching reading.

## Practical, Actionable PD for the Science of Reading

Putting the science of reading framework into practice can feel like a challenge, but with HMH coaching and courses teachers can get the support they need to take the science of reading from concept to classroom.

Our blended course "Fostering Reading Success for All Students with Read 180" provides three days of in-person sessions and live, online study groups that guide teachers through researchbacked strategies for implementing the science of reading in the Read 180 classroom.

Teachers can also get year-round support for their professional learning community with our customized PLC Journey for Reading Intervention. This curated, yearlong PD experience provides teachers with six live, online sessions and synchronous coaching that specifically focuses on utilizing the science of reading for striving readers.

## Reading Intervention Journey Course includes:

- The Reading Brain and Dyslexia
- Phonology Instruction for Striving Readers
- Orthographic Instruction for Striving Readers
- Syllable and Morphology Instruction for Striving Readers
- Syntax and Semantics Instruction for Striving Readers
- Assessing Foundational Skills Support for Striving Readers



## 縎 ${ }^{2}$ Read $180^{\circ}$

## Built on a Science of Reading Foundation



Skills Board


Learn more about how Read 180 will help improve student outcomes through prevention of and intervention for reading difficulties.

