

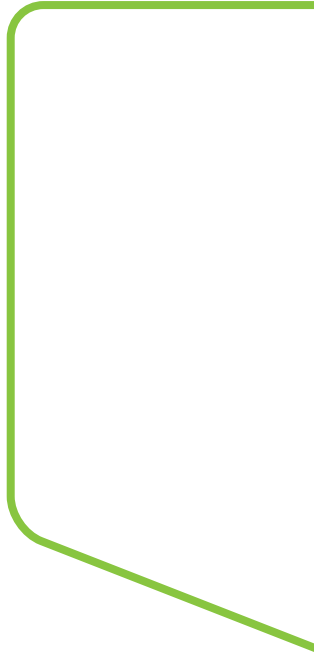
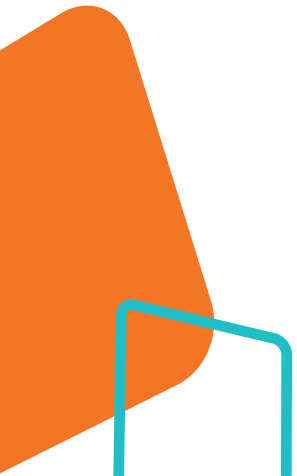
i-Ready Learning

Magnetic Reading™

Putting the Science of Reading to Work

Magnetic Reading Foundations, Grades K–2

Magnetic Reading, Grades 3–5



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Introduction

At Curriculum Associates, we believe all students can become skilled readers, and the best way to get them there is explicit, systematic, and evidence-based literacy instruction grounded in the body of research that has proven that teaching students to read is an art and a science. These beliefs are at the core of our *Magnetic Reading K–5* resources, designed to take every student from foundational skills to reading fluency.

Reading Is a Complex Process

Thousands of international, interdisciplinary, scientific, and educational studies have pinpointed what—and, crucially, how—we must teach students who are learning to read. The resulting evidence forms the foundation of reading science. Humans are not hardwired to read in the same way we are to speak. We must all be explicitly taught to decipher the “code,” beginning with these **word recognition** skills:

- **Phonological Awareness:** the ability to recognize and manipulate the sounds of spoken language
- **Phonics:** the ability to map sounds onto letters or combinations of letters (i.e., sound spellings)
- **Recognition of High-Frequency Words:** the ability to automatically identify and read words that occur most often in text

As students move systematically from learning to read to reading to learn, these **language comprehension** skills are essential for students to become proficient readers:

- **Literacy Knowledge (Genres and Text Features):** knowledge specific to understanding the features of literary and informational text
- **Background Knowledge (Content and Cultural):** information stored in the brain based on prior experiences of topics and ideas
- **Verbal Reasoning:** the ability to draw conclusions by connecting new information to what is already known
- **Language Structures:** the knowledge of word meanings and how they are combined into meaningful sentences

More recent research has proven that there are additional contributors to skilled reading. These contributors form **bridging processes** both within and across word recognition and language comprehension (Nation, 2019):

- **Literacy Knowledge (Concepts of Print):** knowledge specific to understanding how print works, such as reading it from left to right and top to bottom in English
- **Fluency:** the ability to read with accuracy, automaticity, intonation/inflection, and proper phrasing
- **Vocabulary Knowledge:** the ability to understand the meanings of words and phrases

The students themselves also play a key role in reading success. Skilled readers utilize active self-regulation strategies to maintain engagement with the text (Duke & Cartwright, 2021). **Active self-regulation** includes:

- **Motivation and Engagement:** the interest and desire to read that leads to active reading
- **Use of Comprehension Strategies:** deliberate actions that help readers construct meaning

Scope and Sequence

Magnetic Reading Foundations K–2 scope and sequence is organized to systematically build and reinforce foundational skills. Our scope and sequence is informed by and aligned to research collected from cutting-edge reading science, including that from Heidi Anne Mesmer, Linnea Ehri, and Wiley Blevins.



Grade K



Grade 1

Scope and Sequence

		Phonological/Phonemic Awareness	Phonics	Handwriting (Correlates to Phonics for Grade K)	High-Frequency Words	Fluency
Week	Unit 1					
1	1					
2	2					
3	3					
4	4					
5	5					
Skills are assessed and instructional next steps provided in Session 5.						
17	1					
2	2					
3	3					
4	4					
5	5					
Skills are assessed and instructional next steps provided in Session 5.						

Continued on next page

Scope and Sequence

		Phonological/Phonemic Awareness	Phonics	Phonics: Word Study/Structural Analysis	Spelling	Handwriting (Correlates to Phonics for Grade K)	High-Frequency Words	Fluency
Week	Unit 1							
1	1							
2	2							
3	3							
4	4							
5	5							
Skills are assessed during Session 5.								
8	1							
2	2							
3	3							
4	4							
5	5							
Skills are assessed during Session 5.								
Unit 2 - November								
9	1							
2	2							
3	3							
4	4							
5	5							
Skills are assessed during Session 5.								

Continued on next page



Grade 2

Scope and Sequence

		Phonics	Word Study/Structural Analysis	Spelling	High-Frequency Words	Fluency
Week	Unit 1					
1	1					
2	2					
3	3					
4	4					
5	5					
Skills are assessed and instructional next steps provided in Session 5.						
17	1					
2	2					
3	3					
4	4					
5	5					
Skills are assessed and instructional next steps provided in Session 5.						
18	1					
2	2					
3	3					
4	4					
5	5					
Skills are assessed and instructional next steps provided in Session 5.						
19	1					
2	2					
3	3					
4	4					
5	5					
Skills are assessed and instructional next steps provided in Session 5.						

Continued on next page


Scope and Sequence

		Phonics	Word Study/Structural Analysis	Spelling	High-Frequency Words	Fluency
Week	Unit 1					
1	1					
2	2					
3	3					
4	4					
5	5					
Skills are assessed and instructional next steps provided in Session 5.						
17	1					
2	2					
3	3					
4	4					
5	5					
Skills are assessed and instructional next steps provided in Session 5.						
18	1					
2	2					
3	3					
4	4					
5	5					
Skills are assessed and instructional next steps provided in Session 5.						
19	1					
2	2					
3	3					
4	4					
5	5					
Skills are assessed and instructional next steps provided in Session 5.						

Continued on next page



Grade 2

 **Contact your Curriculum Associates Educational Sales Consultant to access the full *Magnetic Reading Foundations* K–2 scope and sequence.**

Word Recognition

Phonological Awareness

Before readers learn to sound out each letter in a word, they must learn to hear individual sounds in speech (Mesmer, 2019). In *Magnetic Reading Foundations K–2*, students hear the week’s phonics sounds in the phonological awareness, or Listen Up!, part of the session first. They blend, segment, identify, or manipulate the letters used to represent the sounds in the phonics part of the session. This sequence helps students learn to sound out words (Muter et al., 1997; Yopp & Yopp, 2000).

SESSION 1
INTRODUCE

Long e: e, ee

Listen Up!

PHONOLOGICAL AWARENESS
Blend Phonemes

As you blend a word, hold up a different finger for each sound to help children distinguish each sound in the word. Have children hold up a finger for each sound when they listen to sounds and blend them.

Blend Phonemes

As you blend a word, hold up a different finger for each sound to help children distinguish each sound in the word. Have children hold up a finger for each sound when they listen to sounds and blend them.

BLEND SOUNDS ROUTINE

MODEL Blend the sounds in feet.

Listen to the Sounds: I am going to blend sounds together to say a word. Listen as I say the sounds: /f/ /i/ /t/.

Blend the Sounds Together: Now I will blend those sounds together: /ffiiitt/. The word is feet.

APPLY Have children blend the sounds in beef.

Listen to the Sounds: Your turn! Listen as I say the sounds in a word: /b/ /e/ /f/.

Blend the Sounds Together: Now you blend the sounds together to say the word. /bEEf/. What is the word? beef!

Now use the routine and have children blend the sounds in the words below. Correct all errors.

/ch/ /e/ /k/, **cheek**
/sh/ /e/ /t/, **sheet**
/w/ /e/ /k/, **week**
/p/ /e/ /l/, **peel**
/s/ /e/ /d/ /l/ /e/ /s/, **seedless**
/c/ /r/ /e/ /k/, **creek**

PHONOLOGICAL AWARENESS
Isolate Phonemes

Listening for the phoneme (sound) before introducing the grapheme (symbol) helps children understand the connection between the sound and the letters used to represent that sound.

Isolate Phonemes

Listening for the phoneme (sound) before introducing the grapheme (symbol) helps children understand the connection between the sound and the letters used to represent that sound.

ISOLATE SOUNDS ROUTINE

MODEL Isolate the medial sound in the word met.

Listen for the Sound: I am going to listen for the middle sound in the word met.

Say the Sound: Now I will say the middle sound I hear in met: /e/. The middle sound I hear is /e/. The word met has a short e sound in the middle.

APPLY Have children isolate the medial sound in the word meet.

Listen for the Sound: Your turn! What is the middle sound in the word meet?

Say the Sound: Now you say the middle sound you hear. /e/. Again. /e/. Does it have a long or short e sound in the middle? long e

Now use the routine and have children isolate the medial sound in each word below and tell if the sound is a long e or short e. Correct all errors.

beef, /e/, long e	set, /e/, short e
seen, /e/, long e	shell, /e/, short e
peel, /e/, long e	need, /e/, long e

WEEK 20

Build Words!

PHONICS
Long e: e, ee

There is no sound-spelling match for e and ee in Spanish or Haitian Creole. Have children skywrite the word as they say it to connect sounds to letters.

TEACH Display the SS&A Cards for /e/. Say the image name, say the long e sound, and have children repeat after you. Explain that /e/, long e, can have different spellings. Write greet and read it aloud. Underline ee and say the vowel sound. Point out that ee is a vowel team; together, the vowels stand for /e/. Repeat with me. Point out that e by itself can stand for /e/.

BLEND WORDS ROUTINE

MODEL Write the word she.

Say the Sounds: I am going to say each sound in the word she: the letters sh stand for /sh/, and the letter e stands for /e/.

Blend the Sounds Together: Now listen as I blend those sounds together: /shEE/, she. Say the word with me: she.

APPLY Write the word seed.

Say the Sounds: Your turn! Say each sound in the word: /s/ /e/ /d/.

Blend the Sounds Together: Now blend the sounds together. /ssEEdd/, seed

Now use the routine and have children blend sounds to say the words below.

be	sleep	cheek
me	three	speech

CHECK Can children decode words with long e?

Not Yet: Model how to self-correct. Demonstrate reading a word incorrectly with the short e sound, then walk through sounding out the word to self-correct, reminding yourself that ee stands for the long e sound. Repeat several times to help children understand how to self-correct reading words with /e/. If children continue to struggle, review the Isolate Phonemes lesson.

High-Frequency Words

TEACH Introduce the week’s high frequency words around, found, good, and now.

SUPER WORDS ROUTINE

See and Say the Word: Display the Super Word Card. Read the word and have children repeat it. Read the context sentences on the back of the card.

Spell the Word: Have children say the letters in the word. Review known sound spellings and have children say them with you.

Write the Word: Have children write the word on a piece of paper and check their spelling.

APPLY See the practice page for High-Frequency Words.

APPLY/PRACTICE

Before children begin working, say any picture names aloud as necessary.

STUDENT WORKBOOK	
Phonics	p. 78
High-Frequency Words	p. 79

WORD-LEVEL READING FLUENCY

Guide children to read the words on Student Workbook p. 80. Remind them that some words will have the sound-spellings they are learning this week; others will have review sound spellings. Line 4 is intended for children who are ready for a challenge.

she	he	we	me
need	meet	seem	three
rain	mail	stay	day
return	recall	freedom	reward

We found sheep on the green grass.
She will sleep now.

In this Grade 1 session, students blend sounds together to say words and isolate medial sounds in words to tell if the sound is a long e or short e during the **Listen Up!** part of the session. This helps students understand the connection between the sound and the letters used to represent the sound that are introduced in the **Build Words!** part of the session.

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The *Magnetic Reading Foundations* K–2 phonics scope and sequence begins with letter recognition, in which students are steeped in letter learning and heavily scaffolded into decoding words with the simplest sound spellings, such as short vowels, progresses through consonant digraphs, and advances into more complex sound spellings, like blends and vowel teams (Guthrie & Seifert, 1977; Pirani-McGurl, 2009). Students then learn spelling patterns that help them recognize larger, distinct representations of spoken sounds. This helps students develop their word attack skills for decoding multisyllabic words and use knowledge of spelling patterns to accurately encode, or write, the combination of letters to represent the sounds they hear in spoken words (Ehri, 2020; National Reading Panel, 2000; Petscher et al., 2020).

SESSION 3

INTRODUCE

Long e: ea

WEEK 20

Listen Up!

PHONOLOGICAL AWARENESS

Add Phonemes

Use your hands to indicate the placement of the new sound in a word. To make the word *team*, hold up your right hand and say *tea*. When you say */m/*, hold up your left hand.

ADD SOUNDS ROUTINE

MODEL Add */m/* to *tea* to form *team*.

Listen and Add a Sound: I am going to add a sound to the word *tea* to make a new word. I will add */m/* to the end of *tea*.

Say the New Word: When I add */m/* to the end of *tea*, the new word is *team*.

APPLY Have children add */b/* to the end of *leaf* to form *leafy*.

Listen and Add a Sound: Your turn! Say *leaf*. Add the */b/* sound to the end of *leaf*.

Say the New Word: What new word do you get when you add */b/* to the end of *leaf*? *leafy*

Now use the routine and have children add phonemes to say the words below. Correct all errors.

steam + /b/ = steamy	he + /l/ =
grease + /b/ = greasy	leak + /s/ = leaks
sea + /l/ = seaf	me + /t/ = meat

PHONICS

Long e: ea

There is no sound-spelling match for the *ea* pattern in Spanish, Haitian Creole, or Arabic. Spanish speakers may pronounce both vowel sounds because all vowels are pronounced in Spanish.

TEACH Review the SS&A Cards for */b/*. Remind children that vowel sounds can have different spellings. Write *leaf* and read it aloud. Point out that *ea* is a vowel team. The vowels work together to stand for */b/*.

BLEND WORDS ROUTINE

MODEL Write the word *bean*.

Say the Sounds: I am going to say each sound in the word *bean*: the letter *b* stands for */b/*, *ea* stand for */b/*, and *n* stands for */n/*.

Blend the Sounds Together: Now listen as I blend these sounds together: /b/ea/nn/, bean. Say the word with me: bean.

APPLY Write the word *leaf*.

Say the Sounds: Your turn! Say each sound in the word. /l/ /b/ /f/

Blend the Sounds Together: Now blend the sounds together. /ll/eaef/, leaf

Now use the routine and have children blend sounds to say the words below.

tea	sneak	dream
eat	steam	treat

PHONOLOGICAL AWARENESS

Identify Phonemes

Listening for the phoneme (sound) before introducing the grapheme (symbol) helps children understand the connection between the sound and the letters used to represent that sound.

IDENTIFY SOUNDS ROUTINE

MODEL Identify the common sound in the words *cheap*, *read*, and *beak*.

Listen for the Same Sound: I am going to listen for the same sound in three words. Listen as I say the words: *cheap*, *read*, and *beak*.

Name the Sound: Now I will say the sound that is the same in all three words: */b/*. The middle sound in *cheap*, *read*, and *beak* is */b/*. It is a long vowel sound.

APPLY Have children identify the common sound in the words *jet*, *led*, and *shell* and tell whether it is a long or short sound.

Listen for the Same Sound: Your turn! Put on your listening ears as I say three words. What sound is the same in *jet*, *led*, and *shell*?

Name the Sound: Now you say the sound that is the same. */b/* Is it a long or short vowel sound? *a short vowel sound*

Have children identify the medial sound in each set of words below and tell if the sound is a long or short vowel sound. Correct all errors.

team, *heat*, *reach*, */b/*, long vowel sound

tell, *chess*, *men*, */b/*, short vowel sound

peck, *wheat*, *lean*, */b/*, long vowel sound

then, *web*, *shed*, */b/*, short vowel sound

PHONICS

Long e: ea

There is no sound-spelling match for the *ea* pattern in Spanish, Haitian Creole, or Arabic. Spanish speakers may pronounce both vowel sounds because all vowels are pronounced in Spanish.

TEACH Review the SS&A Cards for */b/*. Remind children that vowel sounds can have different spellings. Write *leaf* and read it aloud. Point out that *ea* is a vowel team. The vowels work together to stand for */b/*.

BLEND WORDS ROUTINE

MODEL Write the word *bean*.

Say the Sounds: I am going to say each sound in the word *bean*: the letter *b* stands for */b/*, *ea* stand for */b/*, and *n* stands for */n/*.

Blend the Sounds Together: Now listen as I blend these sounds together: /b/ea/nn/, bean. Say the word with me: bean.

APPLY Write the word *leaf*.

Say the Sounds: Your turn! Say each sound in the word. /l/ /b/ /f/

Blend the Sounds Together: Now blend the sounds together. /ll/eaef/, leaf

Now use the routine and have children blend sounds to say the words below.

tea	sneak	dream
eat	steam	treat

PHONOLOGICAL AWARENESS

Identify Phonemes

Listening for the phoneme (sound) before introducing the grapheme (symbol) helps children understand the connection between the sound and the letters used to represent that sound.

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MODEL Identify the common sound in the words *cheap*, *read*, and *beak*.

Listen for the Same Sound: I am going to listen for the same sound in three words. Listen as I say the words: *cheap*, *read*, and *beak*.

Name the Sound: Now I will say the sound that is the same in all three words: */b/*. The middle sound in *cheap*, *read*, and *beak* is */b/*. It is a long vowel sound.

APPLY Have children identify the common sound in the words *jet*, *led*, and *shell* and tell whether it is a long or short sound.

Listen for the Same Sound: Your turn! Put on your listening ears as I say three words. What sound is the same in *jet*, *led*, and *shell*?

Name the Sound: Now you say the sound that is the same. */b/* Is it a long or short vowel sound? *a short vowel sound*

Have children identify the medial sound in each set of words below and tell if the sound is a long or short vowel sound. Correct all errors.

team, *heat*, *reach*, */b/*, long vowel sound

tell, *chess*, *men*, */b/*, short vowel sound

peck, *wheat*, *lean*, */b/*, long vowel sound

then, *web*, *shed*, */b/*, short vowel sound

PHONICS

Long e: ea

There is no sound-spelling match for the *ea* pattern in Spanish, Haitian Creole, or Arabic. Spanish speakers may pronounce both vowel sounds because all vowels are pronounced in Spanish.

TEACH Review the SS&A Cards for */b/*. Remind children that vowel sounds can have different spellings. Write *leaf* and read it aloud. Point out that *ea* is a vowel team. The vowels work together to stand for */b/*.

BLEND WORDS ROUTINE

MODEL Write the word *bean*.

Say the Sounds: I am going to say each sound in the word *bean*: the letter *b* stands for */b/*, *ea* stand for */b/*, and *n* stands for */n/*.

Blend the Sounds Together: Now listen as I blend these sounds together: /b/ea/nn/, bean. Say the word with me: bean.

APPLY Write the word *leaf*.

Say the Sounds: Your turn! Say each sound in the word. /l/ /b/ /f/

Blend the Sounds Together: Now blend the sounds together. /ll/eaef/, leaf

Now use the routine and have children blend sounds to say the words below.

tea	sneak	dream
eat	steam	treat

PHONOLOGICAL AWARENESS

Identify Phonemes

Listening for the phoneme (sound) before introducing the grapheme (symbol) helps children understand the connection between the sound and the letters used to represent that sound.

IDENTIFY SOUNDS ROUTINE

MODEL Identify the common sound in the words *cheap*, *read*, and *beak*.

Listen for the Same Sound: I am going to listen for the same sound in three words. Listen as I say the words: *cheap*, *read*, and *beak*.

Name the Sound: Now I will say the sound that is the same in all three words: */b/*. The middle sound in *cheap*, *read*, and *beak* is */b/*. It is a long vowel sound.

APPLY Have children identify the common sound in the words *jet*, *led*, and *shell* and tell whether it is a long or short sound.

Listen for the Same Sound: Your turn! Put on your listening ears as I say three words. What sound is the same in *jet*, *led*, and *shell*?

Name the Sound: Now you say the sound that is the same. */b/* Is it a long or short vowel sound? *a short vowel sound*

Have children identify the medial sound in each set of words below and tell if the sound is a long or short vowel sound. Correct all errors.

team, *heat*, *reach*, */b/*, long vowel sound

tell, *chess*, *men*, */b/*, short vowel sound

peck, *wheat*, *lean*, */b/*, long vowel sound

then, *web*, *shed*, */b/*, short vowel sound

PHONICS

Long e: ea

There is

Teachers use the **Sound Spelling and Articulation Cards** to teach the week's phonics skill. This allows students to connect the sound to the symbol.

Students practice word building to warm up for spelling. Teachers explicitly model words and students practice building them using the **Word Building Cards**. Teachers guide students to change a letter to spell a new word.

Encoding

SESSION 4
PRACTICE & EXTEND

Long e: ea

Long u: u, ue
Long o: o, oe; Long i: i, ie
Long e: e, ee
Soft e
Long a: a, ay, ea, ee

WEEK 20

Listen Up!

PHONOLOGICAL AWARENESS
Substitute Phonemes

TIP Have children who struggle with substituting sounds say each sound in the new word before combining all the sounds to say the word.

CHANGE SOUNDS ROUTINE

MODEL Change /m/ in meat to /n/ to form neat.
Listen: I am going to change the sound in a word to say a new word. I will change /m/ in meat to /n/.
Say the New Word: When I change /m/ in meat to /n/, the new word is neat.

APPLY Have children change /p/ in peep to /k/ to form keep.
Listen: Your turn! Change /p/ in peep to /k/.
Say the New Word: What new word do you get when you change /p/ in peep to /k/? keep

Now use the routine and have children substitute phonemes in the words below. Correct all errors.

/sh/ in sheet to /f/ = feet
/b/ in beak to /s/ = sneak
/d/ in day to /s/ = say
/d/ in deal to /r/ = real
/s/ in sea to /t/ = tea
/m/ in may to /w/ = way

CHECK Are children able to substitute phonemes in words with long e and long a?

Not Yet: Give children the words above and have them say rhyming words to give them practice with initial phoneme substitution. Then have them work with other word pairs to practice initial phoneme substitution. Use these words: sheep/cheep, neat/seat, seed/feet.

Build Words!

PHONICS
Encode Words

BUILDING WORDS Warm up for dictation. Use **Word Building Cards** to model building sea. Point to each card, say the sound, and blend the word. Have children add one letter to spell seal. Repeat to spell steal.

DICTATION We built some long e words with our cards. Now let's write some words!

SPELL IT ROUTINE

MODEL Think aloud as you spell the word leash.
Say the Word: The word is leash. I am going to think about the sounds I hear in leash.
Connect Sounds to Spellings: First, I will say the word slowly, leash. Next, I will think about the first sound I hear. The first sound in leash is /l/. I know the letter l stands for /l/. I will write l. Repeat for the remaining sounds to spell leash.

APPLY Have children write today's dictation words and sentence on p. 89 of their Student Workbook.
Say the Word: Your turn! The first word is lean. Remember to say the word to yourself to help you think about the sounds.
Connect Sounds to Spellings: Think about the first sound in lean. Which letter stands for that sound? Write the letter. Keep going for each sound in lean! Dictate the words and sentence below. When done, write them and have partners check each other's spelling for accuracy.

- lean
- scream
- heap
- paid
- He will eat the peas.

CHECK Can children accurately spell words with long e spelled ea?

Not Yet: Remind children to use the **SS&A Cards** displayed in the room as tools to help them spell the words.

WORD ANALYSIS

Suffixes -ful, -less

TEACH Remind children that a suffix is a word part added to the end of words to change the meaning. The suffix becomes the last syllable of the longer word. Review that the suffix -less means "not having any" and the suffix -ful means "full of." Write the suffixes and have children say them in unison with you.

MODEL Write the word sleepless. Read it aloud and have children repeat after you. Say, I see that this word has the base word sleep and the suffix -less. I will divide the word into syllables by placing a slash between sleep and -less. Blend the syllables to read sleepless. Say, Sleepless means "not having any sleep." Repeat with the word restful, pointing out the base word rest and the suffix -ful.

APPLY Write playful and endless. Prompt children to tell you where to divide the syllables. Then have children blend the syllables to read the words in unison. Have children tell the meaning of each word.

See the practice page for Word Analysis.

High-Frequency Words

REVIEW Display last week's and this week's **Super Word Cards**. Have children choose a Super Word and write a sentence for it on a separate piece of paper. Have children exchange sentences, read them aloud, and check the spelling.

APPLY See the practice page for High-Frequency Words.

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WEEK 20 • Session 4 95

Lessons include direct instruction and practice with encoding using the **Spell It Routine**. This gives students the opportunity to practice new sound spellings and review the previous week's sound spellings.

Students learn **word analysis** skills that complement phonics skills to build word knowledge.

The ability to recognize high-frequency words is essential for fluent reading (Blevins, 2017). *Magnetic Reading Foundations* K–2 provides systematic and explicit high-frequency words instruction using a partial decoding approach. This means that high-frequency words are grouped together by pattern, which facilitates orthographic mapping and helps students make analogies to other unknown words (Ehri et al., 2009). This approach helps students retain the words better than if they learned with memorization alone (Miles & Ehri, 2019).

The **Super Words Routine** provides a structure for introducing Super Words (i.e., high-frequency words). Students hear context sentences and practice words through writing and multimodal activities.

Super Words are grouped together by phonics pattern and often include the week's phonics skills. In this Grade 1 session, the phonics pattern is beginning digraphs (i.e., *sh-*, *th-*, *ch-*, *wh-*), and the high-frequency words *there* and *what* map to those patterns.

Students practice saying, spelling, and writing the Super Words as well as reading them in sentences and connected texts. This provides multiple opportunities to build fluency with the Super Words in various contexts.

There is one **Super Word Card** for each Super Word taught in the program to help students say, spell, and write each word. The cards include the word and context sentences to support meaning and usage.

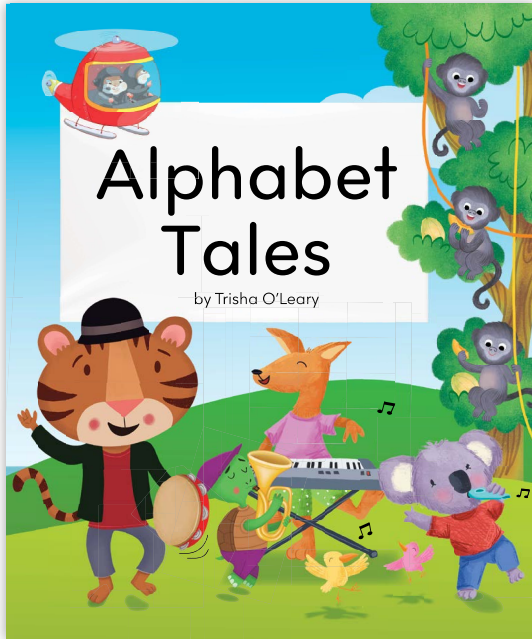
what

Do you know **what** time it is?
What will the weather be like?
 I know **what** we can do today.

Bridging Processes

Literacy Knowledge: Concepts of Print

Magnetic Reading Foundations K–2 provides explicit instruction in concepts of print, such as book handling, text features, print direction, and how to track text with fingers (Reutzel, 2015). Later, as students become more secure in the alphabetic principle, they learn concept of word, which prepares them for decoding (Ehri & Sweet, 1991).



Alphabet Tales, our program-specific Big Book, is used in Grade K to introduce each letter and teach concepts of print in a whole class format.

Alphabet Books are simple, mostly visual little books that help Grade K readers build concepts of print and alphabet knowledge in a whole class or small group format.



Teachers can use **Magnetic Readers** to reinforce concepts of print as needed in small groups.

Fluency

In *Magnetic Reading Foundations K–2*, students practice isolated word reading fluency as well as fluency in connected texts. Research shows that when children practice with isolated words, they have better recall of orthographic patterns and spellings than when they read words in connected text (Ehri, 2020). Reading isolated words is one important type of practice, and reading connected text is another. Reading connected text applies phonics, high-frequency words, word analysis skills, and fluency to the meaning of words (Ehri & Roberts, 1979; Goldenberg, 2020). *Magnetic Reading Foundations K–2* provides ample opportunities for students to practice word reading fluency and apply the skills they’ve learned in connected texts.

Phonics

Read out loud.

1. than	then	this	them
2. shop	shin	shut	shell
3. up	run	us	but
4. think	share	shovel	threw

5. What is in that shop?

6. Thad got a shell in there.

100 WEEK 6 • Session 1

Read Together! Words with Bb



Sam and Tam play baseball. Tam will hit the ball.

What does Tam have?

bat

Who will throw the ball?

Sam


56 WEEK 3 • Session 4

Let's Read! Words with a, ai, ay
Super Words: *about, always, out, were*

Making Clay Pots

Rachel and Shay **always** went to the same place. It was a place for artists. When classes ended each day, kids went there. Kids went there when it was raining. Kids went when the sun was **out**.

Rachel and Shay liked it a lot! Rachel and Shay made clay pots there. Rachel and Shay got aprons and the clay. First, they made bases with clay.



158 WEEK 9 • Session 2

Word Reading Fluency

The Student Workbook gives students an opportunity to practice isolated word reading fluency before applying the skills they’ve learned in connected texts.

Duet Passages

Grade K students and teachers read these texts together to provide an entry point for all students to read texts. They cover a topic or share a story that is more complex than what it could be if a student was reading the text independently. With scaffolded supports, students learn to decode one word at a time and slowly build to short phrases and sentences until they are ready for Connected Texts and Magnetic Readers.

Connected Texts

Connected Texts are available in the Student Workbook for students in Grades K–2 to apply their phonics skills and high-frequency word skills to highly decodable texts.

Magnetic Readers

Magnetic Readers are decodable literary and informational little books fully aligned to the *Magnetic Reading Foundations K–2* scope and sequence. This means they are 100% readable to ensure every student has the potential to read every word in every text.

Grade K: long o (o, o-e)



"We can hop rope!
Hop!" said Ike.
"My nose is the rope."
Mike hops rope.
Mole hops rope.

6



A kite takes Mike up.
"Mike!" yells Ike.
"Time for
Mike dive

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Grade 1: long o (o, oa)

When Jade gets home, she can
tell that something is not right.
"What is it, Mom?" she asks.
"You look upset."
"It's a big mess, Jade. The load
of hoses has been stolen! Dad is
going to find out what he can."

When Dad comes home, he tells
them what he knows. "There
was a note," he explains. "Evil
Dude has taken all the hoses.
He is going to use them to float
a boat. What a bad idea! This is
not good at all."

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Grade 2: long o (o, oa, oe, ow)



This blowfish lives in the water close to
coastlines. The water is not as cold there as it
is in the open sea.
The blowfish is little and slow. To keep safe, it
blows up as it fills with water. When it blows
up, its spikes stick out. The spikes stop fish
from eating it.

4



This fish stays close to the sea bottom. It is
named the red-lipped batfish. Do you know
why? It looks like it has red lips! When little
fish get too close to those red lips, it's time for
the batfish to eat!
Red-lipped batfish are flat and wide. They
don't swim well. They use their fins like toes to
creep over the sand. This is why they live at
the bottom of the sea.

5



7

Key

Phonics Skills Sessions 1–2

Phonics Skills Sessions 3–4

High-Frequency Word

Previous Phonics Skill

Previous High-Frequency Word

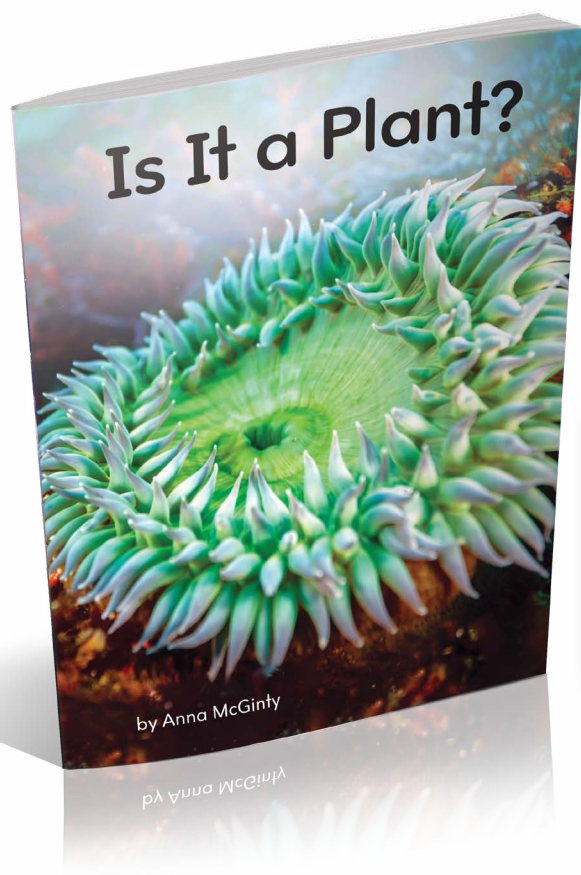
Unit Words

Story Words

Note: Words are highlighted in these examples to illustrate 100% readability of Magnetic Readers.

Fluency: Foundation for Meaning Making

Research shows that fluency acts as a bridge between word recognition and comprehension (Pikulski & Chard, 2005). Fluent reading requires students to apply accuracy, phrasing, intonation/inflection, and expression to the meaning of words (Kuhn et al., 2010). In *Magnetic Reading Foundations K–2*, fluency instruction begins with accuracy only because there are so many skills to master while reading connected text. As students master skills and gain stamina as readers, fluency instruction progresses to phrasing and intonation/inflection, offering a bridge to comprehension.



SESSIONS 1-4
APPLY TO TEXT

Magnetic Reader

Let's Read! Is It a Plant?

- These sessions may be done throughout the week during whole-group or small-group experiences.
- Introduce:** Remind children of the Unit Topic, The Underwater World. This week they are learning about plants that grow in the sea. In this text, they will look at some of these plants as well as some sea animals that look like plants.

- Genre:** Informational
- Unit Words:** animal, sea, water
- Story Words:** full, lives, living
- Super Words:** any, many, most, want

SESSION 1 Introduce

EL Explain the meaning of the phrase *blend in*. Tell children that the word *spring* can be used both as a noun and as an action word. Point out that *spring* is used as an action word in the text.

Review the Unit Topic and Weekly Focus with children. Then have children point to the title and read it aloud together. Preview the book. Provide background: plants in the ocean provide food and shelter for many sea animals. Preteach the Story Words. Then, guide children to set a purpose for reading, such as to find out how animals can look like plants.

Read aloud the first page as children follow along. Model pointing to each word and have children do the same as they read aloud. Listen and correct errors.

SESSION 2 Practice and Apply

Remind children that reading each word accurately will help them understand the text. Read aloud a portion of the text fluently as children follow along. Then, model misreading a word and using **Confirm and Correct Word Recognition** to self-correct. Point out that the word you read doesn't make sense. Read the word again by sounding it out and blending the sounds. Model using context to confirm that the word is correct.

Have children read through p. 5. Remind them to think about whether the words make sense as they read. Guide them to self-correct as needed.

After reading, check for understanding by asking:

- What is the sea full of? *living things*
- Is sea grass a plant or an animal? *a plant*

SESSION 3 Build Independence

EL Point out that, unlike punctuation in Spanish, question marks and exclamation marks appear at the end of sentences, not at both the beginning and the end.

CONCEPTS OF PRINT Remind children that a sentence always ends with a punctuation mark. Point to the first sentence on p. 2. Identify the period and review that a period ends a telling sentence. Ask children to identify the sentences that end with a question mark and an exclamation mark. Discuss the different kinds of end punctuation and review what each mark means.

Have children read aloud the rest of the book on their own or with a partner. Check that children can decode with automaticity and read with accuracy. Remind them to use what they know about letters and sounds as well as what is happening in the story to self-correct. Then have children retell their favorite part of the story.

After reading, check for understanding by asking:

- How many animals that look like plants are in this book? *three*

SESSION 4 Make Connections

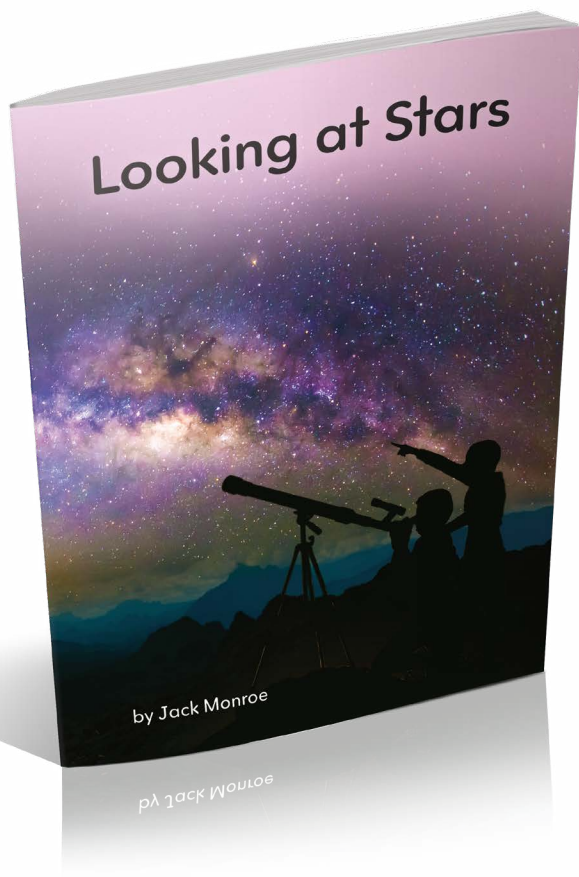
Have children reread the book on their own or with a partner. Then ask children to retell the story.

Prompt children to make connections.

- Connect to Self:** What plants are in or near the place where you live? *Answers will vary.* Provide a sentence starter: Some plants near me are ____.
- Connect to Topic:** How does this book connect to the other texts you read this week? *All three tell about ocean plants.*

Fluency instruction begins with accuracy. Students learn to self-correct when a word doesn't make sense by sounding it out and blending the sounds.

Students have the opportunity to practice fluency skills and read for meaning by making connections and retelling the text.



SESSIONS 1-4
APPLY TO TEXT

Magnetic Reader

Let's Read! Looking at Stars

- These sessions may be done throughout the week during whole-group or small-group experiences.
- **Introduce:** Remind children of the Unit Topic, In the Sky. This week they are learning about the stars. In this text, readers will learn interesting facts about stars.

- **Genre:** Informational
- **Unit Words:** appear, Earth
- **Story Words:** colors, scientists, millions, telescopes
- **Super Words:** air, full, pull, together

SESSION 1 Introduce

EL Preview phrases such as *clumps of dust and gases forming a star*. Explain the actions *clump together*, *explode*, and *pull in*.

Review the Unit Topic and Weekly Focus with children. Then have children point to the title and read it aloud together. Preview the book. Provide background: explain that the stars in this book are objects in space, not famous people. Preteach the Story Words. Then, guide children to set a purpose for reading, such as finding out new information about stars.

Read aloud the first page as children follow along. Model pointing to each word and have children do the same as they read aloud. Listen and correct errors.

SESSION 2 Practice and Apply

Remind children that reading with expression, or reading with feeling, will help them understand the text. Read p. 3 without feeling, making your voice flat. Then demonstrate rereading with appropriate expression, reading with feeling.

Have children read through p. 9. Remind them to think about whether the words make sense as they read. Guide them to self-correct as needed.

After reading, check for understanding by asking:

- *Why are stars hard to see in big towns? Lights in big towns block the light shining from the stars.*
- *What is the biggest kind of star called? a giant star*

SESSION 3 Build Independence

EL Partner children. Ask them each to choose information that they find interesting and to practice reading it aloud with expression to their partner.

Have children read aloud the rest of the book on their own or with a partner. Check that children can decode with automaticity and read with accuracy. Remind them to use what they know about letters and sounds as well as what is happening in the text to self-correct. Then have children retell their favorite part of the text.

After reading, check for understanding by asking:

- *What color are the hottest stars? blue*
- *Which star is closest to Earth? the sun*

SESSION 4 Make Connections

Have children reread the book on their own or with a partner. Then ask children to retell the text.

Prompt children to make connections.

- **Connect to Self:** *What is one question you still have about stars? Answers will vary.* Provide a sentence starter: *My question about stars is ____.*
- **Connect to Topic:** *What are some of the things found in the sky that we have read about in this unit? clouds (gas, water drops, lightning), the sun, the moon, stars (gases, dust, light, North Star, Big Dipper, Little Dipper), colors (sunrise, sunset), jets (blinking lights, jet trails), birds*

302 UNIT 6 • In the Sky

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Later in Grade 1, fluency instruction progresses to expression. Students learn that reading with expression, or reading with feeling, helps them understand the text.

The Teacher's Guide provides guidance for checking for understanding after students read the text.

Vocabulary

To make meaning and comprehend complex and rigorous texts, all students need background knowledge of vocabulary and domain knowledge specific to the content being covered in the text (Steiner & Magee, 2019; Wexler, 2020; Hirsch, 2006; Willingham & Lovette, 2014). *Magnetic Reading* K–5 resources front load vocabulary instruction of concept words that are critical for engaging with each lesson topic. Students have multiple exposures to concept words across the lessons’ texts. These exposures solidify students’ new vocabulary acquisition in the context of the content knowledge they build.

Magnetic Reading Foundations K–2



UNIT 6
Opener | WEEKS 26-30

Teach

Introduce the Unit Topic: Have children turn to Student Workbook page 189. Use the illustrations to introduce Unit Words and questions.

Unit Words

appear When things appear, people are able to see them.	<i>In the garden, plants appear from the soil.</i>
Earth The planet we live on is called Earth.	<i>We live on planet Earth.</i>
moon The moon is an object in space that circles Earth.	<i>The moon helps light up the night.</i>
weather Weather is what it is like outside in a certain place.	<i>The weather outside is dark and stormy.</i>

Engage

Read aloud the unit title. Tell children that in this unit they will read about objects and patterns in the sky. Use the following questions to generate curiosity about the topic: *When does the moon appear in the sky? How does the moon seem to change? What is the weather like today? What types of weather do you like best?*

Explain to children that the pictures at the bottom of the page are from texts they will read in this unit. Have them turn and talk with a partner about what they notice. Have them explain which text they are most curious to read and why. Offer discussion and oral language support with the following sentence frame: *I am most curious about reading this text because ____.*

Students are introduced to **Unit Words** that relate to the unit topic. These words repeat across texts, which helps students learn to read them. It also helps students make connections from text to text.

Magnetic Reader

Let's Read! Sky Patterns

- These sessions may be done throughout the week during whole-group or small-group experiences.
- **Introduce:** Remind children of the Unit Topic, In the Sky. This week they are learning about the daytime and nighttime sky. In this text, repeating patterns in the sky are observed as day changes to night and then back again.

- **Genre:** Informational
- **Unit Words:** appear, Earth, moon
- **Story Words:** clouds, color, noon
- **Super Words:** again, does, soon, year

SESSION 1 Introduce

- EL** Support vocabulary by gesturing to show how the sun rises in a sunrise and lowers in a sunset. Ask children to discuss how they see the sun move throughout the day.

Review the Unit Topic and Weekly Focus with children. Then have children point to the title and read it aloud together. Preview the book. Provide background: explain that a pattern is something that repeats. Preteach the Story Words. Then, guide children to set a purpose for reading, such as learning what kinds of patterns are in the sky.

Read aloud the first page as children follow along. Model pointing to each word and have children do the same as they read aloud. Listen and correct errors.

SESSION 2 Practice and Apply

Remind children that reading each word accurately will help them understand the text. Read aloud a portion of the text fluently as children follow along. Then, model misreading a word and using **Confirm and Correct Word Recognition** to self-correct. Point out that the word you read doesn't make sense. Read the word again by sounding it out and blending the sounds. Model using context to confirm that the word is correct.

Have children read through p. 10. Remind them to think about whether the words make sense as they read. Guide them to self-correct as needed.

After reading, check for understanding by asking:

- *When does the sun seem to be rising? in the morning*

SESSION 3 Build Independence

- EL** As children read, have them visualize the movement of the sun and the moon. Have partners help each other read and understand the text.

Have children read aloud the rest of the book on their own or with a partner. Check that children can decode with automaticity and read with accuracy. Remind them to use what they know about letters and sounds as well as what is happening in the text to self-correct. Then have children retell their favorite part of the text.

After reading, check for understanding by asking:

- *What can we see in a night sky? stars and moon*
- *When does the changing pattern of the moon stop? Never; the pattern happens again and again.*

SESSION 4 Make Connections

Have children reread the book on their own or with a partner. Then ask children to retell the text.

Prompt children to make connections.

- **Connect to Self:** *What other patterns do you notice in nature? Answers will vary.* Provide a sentence starter: *I notice that the ____.*
- **Connect to Topic:** *How do this week's texts fit in with the Unit Topic In the Sky? All of the texts describe things we can see in the sky, some during the day and some at night.*

Story Words are unique words to each text that are pretaught before students read. These words make texts more interesting and authentic by increasing the bank of decodable words and high-frequency words.

Students have the opportunity to use **Unit Words** and **Story Words** during the **Make Connections** part of the lesson when they talk about the texts after reading.

Magnetic Reading 3–5

Key vocabulary is reinforced across lesson texts as students encounter words in different contexts and use them in academic discussions and writing activities. Word knowledge builds from lesson to lesson as students encounter new words on conceptually related topics within each unit.

SESSION 1

TALK ABOUT THE TOPIC

Survival Skills

FOCUS QUESTION

How do an animal's special features help it survive?

NOTICE AND WONDER

Look at the three texts you will read in this lesson. What do you notice? What do you wonder? Discuss your ideas with a partner.

WHAT DOES IT MEAN TO DISGUISE SOMETHING?

Read the phrases. Circle the phrases that mean nearly the same thing as "to disguise."

to hide to show to change to mask to cover up to decorate

One phrase that means nearly the same thing as to disguise is ____.

One way to disguise alone ____ is to ____.

102 UNIT 2 Ocean Survival

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Students explore networks of conceptually related words at the beginning of each lesson. In this Grade 3 lesson, students discuss the meaning of *disguise* with a partner and as a class before reading about how animals disguise themselves to survive.

Definitions at point of use in the text allow students to read fluently without getting stuck on vocabulary.

SESSION 1

READ

Anglerfish: Fish That Fish

by Julie Murphy

1 A deep-sea anglerfish **lurks** 10,000 feet (3,000 meters) below the surface of the ocean. Floating in the dark, lonely water, it prepares to catch its dinner. Huge mouth? Check. Long, curved, needle-sharp teeth? Check. Fishing rod? Check. Anglerfish are fish that go fishing! They use a special way of catching their food.

Anglerfish get their name from the word *angler*. An angler is a person who catches fish using a rod, line, and bait. Anglerfish have their own fishing rod, called an illicium. The illicium is a spine that sticks out of the anglerfish's head. This unusual body part to trick fish they use. The end is a globe-shaped lure called the esca. The tiny **bacteria** that live within the esca help it glow.

3 Some ocean creatures can catch their dinner because of their size or speed. However, deep-sea anglerfish are not big or fast. They can't see in the dark very well, either. So they have to be sneaky instead. Their dark coloring helps them blend in with their environment. They sit very still, and they slowly move their illicium around so it looks like something good to eat. The glowing esca on the tip of the illicium attracts the interest of nearby animals. The soft light is easy to see in the darkness.

Stop & Discuss

How are anglerfish sneaky when they catch their food?

Underline three details that show how anglerfish trick other animals. Discuss with a partner.

104 UNIT 2 Ocean Survival

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lurks = waits out of sight

bacteria = tiny living things

UNIT 2	BUILDING KNOWLEDGE WITH VOCABULARY	GRADE 3
Ocean Survival		
Lesson 5: Habitats of the Ocean		
Word	Definition	What I Know
Read the word. Rate your knowledge using the scale below.	Write the meaning of the word.	Choose one. <ul style="list-style-type: none">Use the word in a sentence.Make a personal connection to the word.Add a photograph or draw a picture that shows an example.
adapted verb (p. 89)		
1 2 3 4		
attract verb (p. 89)		
1 2 3 4		
features noun (p. 88)		
1 2 3 4		
invisible adjective (p. 94)		
1 2 3 4		
species noun (p. 88)		
1 2 3 4		
Rating Scale	1 = I have not seen or heard the word. 2 = I have seen or heard the word but do not know what it means. 3 = I have seen or heard the word and have an idea of what it means. 4 = I know the word and can define it.	
Magnetic Reading	1 of 6	©Curriculum Associates, LLC. Subject to the Teacher Toolboxes Terms of Use.

The **Building Knowledge with Vocabulary** resources for each unit support students' vocabulary acquisition by exploring words above and beyond the supports and activities included in the lessons.

SESSION 2 PRACTICE

1 Determine the Main Idea

The **main idea** of a text is what the text is mostly about. It is the big idea that the author wants readers to understand.

- **Key details** are important facts, examples, or other pieces of information in a text that help explain the main idea.
- To figure out the main idea, think about what the text is mostly about. Then identify key details that support the main idea.

2 Reread/Think

Reread "Anglerfish: Fish That Fish." In the chart, write the main idea and the key details that support it.

Main Idea		
Anglerfish have a sneaky way of catching their food.		
Key Details (paragraphs 1 and 2) <ul style="list-style-type: none"> • The illicium is like their own fishing rod used to trick the fish they want to eat. • At the end is a lure called an esca. 	Key Details (paragraph 3) <ul style="list-style-type: none"> • They stay still and move the esca around to attract the fish they want to eat. 	Key Details (paragraphs 4 and 5) <ul style="list-style-type: none"> • They suck in their prey with a mouthful of water. • They eat their food in one gulp.

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Academic Talk words and phrases are taught, modeled, and used throughout each lesson to support successful acquisition of reading comprehension skills.

Help & Go scaffolds for Vocabulary guide students to use morphology and context clues to determine word meaning, building knowledge of domain-specific words and Tier 2 words encountered broadly across content areas.

SESSION 3 SCAFFOLD READING

1 Support Reading

- Set a purpose for reading. **Say**, *You will read to learn about one type of squid's hiding tricks.*
- Have students **Shout Out** one descriptive word about the squid from the pictures.
- Have students read paragraphs 1–3. Guide them to circle unknown words and mark confusing parts with a question mark.
- Use **CHECK INs** along with **Help & Go** scaffolds to support students as needed.

HELP & GO: Vocabulary

- Remind students to look around the word for clues to understand *squirts*. **Ask**, *Which context clues help you understand the verb squirts? Squirts out shows action; forms a cloud describes the shape the ink takes in the water.*
- Have students look around the word *invisible* to understand the meaning. **Ask**, *What does the squid do to hide in open water? It disappears. How? It becomes almost see-through. Why is the squid able to get away? Other animals can't see it.*

then **Turn and Talk**.

- Before drawing pictures, have students recount the squid's hiding tricks. **EL**
- **LOOK FOR** Students draw one way the squid hides from predators and explain their drawings.

HELP & GO: Comprehension

- Guide students to understand the two ways bobtail squid hide from fish. **Say**, *Reread paragraphs 2 and 3. What details describe how squid hide? In paragraph 2 they hide in the sand and snuggle into the sea floor. In paragraph 3 they hide by squirting ink and then changing color to look almost see-through.*

Bobtail Squid: Masters of Disguise

by Dan Risch

- 1 Hawaiian bobtail squid must taste good. During the day, big, hungry fish try to find and eat them. At night, seals try to gobble them up. So what's a little squirt like a bobtail squid to do? Become invisible! Bobtail squid have many ways of hiding from predators.
- 2 During the day, tiny bobtail squid hide in the sand. They snuggle into the sea floor in the waters off the coast of Hawaii. Then they use their **tentacles** to flip sand onto their backs. Their sticky skin holds the sand in place. Not even a predator like a sharp-eyed barracuda will spot a sand-covered bobtail squid.
- 3 But what if a bobtail squid is **attacked** in open water, with no place to hide? When that happens, the squid disappears by tricking predators. First, the bobtail squid squirts out ink. The ink forms a cloud that is similar to the size and shape of the squid. Then the squid itself changes color and becomes almost see-through. The predator sees the ink cloud and bites the inky shape while the nearly invisible squid swims to safety.

Stop & Discuss
What do bobtail squid do to hide from hungry fish? Draw a picture showing one way they hide from predators. Then tell a partner what you drew and why.

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Language Comprehension

Literacy Knowledge: Genres and Text Features

Magnetic Reading Foundations K–2 includes decodable readers that build knowledge of genres and text features by exposing students to authentic reading experiences with literary and informational texts as soon as they begin reading. *Magnetic Reading 3–5* also supports students in building genre knowledge. In each unit, students read rich and varied literary and informational texts that support them in understanding the purpose, characteristics, and features of text types.

Content-Rich Decodable Texts—*Magnetic Reading Foundations K–2*



In Grade 2, Unit 6, students learn about land and water while building knowledge of genres and text features as they read both literary and informational texts.

Let's Read! Words with Open Syllables
Super Words: become, ever, questions, today

At Fossil Basin

"Wow!" Piper said as she hopped out of the car. "It's so hot out!" She looked at the open land.

Today, Piper, Rue, Mom, and Dad were visiting Fossil Basin. The land had cool features and plenty of fossils.

"Did you know that lots of the fossils here are fish?" Piper asked. "Sand and mud settled in the lakes. Dead fish sank to the bottom. New layers of mud settled on top of the fish. Now they are fossils."

Dad added, "Years and years ago, this land was full of big lakes. They formed around the same time that the Rocky Mountains were being pushed up. It is hard to believe that huge lakes could **ever become** such dry basins."

"We should look for fish bones. But first, who can answer my **questions** about this fossil?" Rue said. She brushed away some dirt with her foot.

"Mom! Dad!" Piper called. "Check out this fossil Rue found!"

204 WEEK 26 • Session 4

Let's Read! Words with Vowel Team Syllables
Super Words: certain, enough, special, strong

The Rock Cycle

You can find rocks on mountains, beaches, or on your street. Rocks can be different shapes and colors. They may have **special** features. Some rocks are actually soft **enough** to scratch with a fingernail. Other rocks are **strong** and hard.

All rocks are part of the rock cycle—the processes that form and change rocks. One kind of rock starts below Earth's crust. The rock is so hot it melts. This melted rock pushes up and out from Earth. It cools and hardens to form a **certain** kind of rock.

On Earth's surface, weathering and erosion help form another kind of rock. Wind, water, and ice break rocks into smaller pieces. Wind and water bring them to new places where they settle. Layers form and slowly turn to rock over time.

Rocks on Earth's surface can change. High heat and the pressure of Earth's weight can form another kind of rock.

The new rocks may heat up and melt below Earth's crust. And the rock cycle begins again.

268 WEEK 30 • Session 2

Reading across Genres—Magnetic Reading 3–5

UNIT 5

UNIT OVERVIEW

Build Knowledge

The texts in this unit explore extreme weather: its causes, its effects, and the people who study it.

- In Lesson 15, **Weather Watch**, students read informational texts about the causes and unpredictable nature of extreme weather.
 - “Stormy Weather,” science article
 - “Rocky Weather Ahead,” science article
 - “Tornadoes,” science article
- In Lesson 16, **Studying Extremes**, students read informational texts about people who endure hazardous conditions to learn more about severe weather.
 - “At Home in the Sky,” science article
 - “Weather Mountain,” science article
 - “The Hurricane Hunter,” science article
- In Lesson 17, **Weather Verses**, students read poetry about experiencing extreme weather.
 - “Hurricane,” poem
 - “When Tornadoes Come Roaring In” and “Lightning,” poems
 - “I Do Not Mind You, Winter Wind” and “Cricket Crack!” poems
- The Connect It Lesson, **Weather All Around**, features a culminating text about a pilot who had to eject from his plane during a thunderstorm.
 - “In the Clouds,” narrative nonfiction

LESSON 15

Weather Watch

284

LESSON 16

Studying Extremes

300

LESSON 17

Weather Verses

316

CONNECT IT

Weather All Around

332

282 UNIT 5 | Wild Weather

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In Grade 3, Unit 5, students read multiple literary and informational texts to build knowledge about extreme weather.

LESSON 1

READ

Stormy Weather

by Ellen Bowcroft

THUNDERSTORM FORMATION

Boom! Whoo! Boom! Whoo! Extreme weather is coming! Is it a thunderstorm, a blizzard, a tornado, or a hurricane? Here's how to find out.

Thunderstorms

Thunderstorms are a common form of extreme weather. They form when warm, moist air goes up into the sky and mixes with clouds. As winds become stronger, ice crystals in the clouds move around. This makes static electricity. You may already be familiar with static electricity. Have you ever walked across a rug in your socks and then felt a shock when you touched a doorknob? That's static electricity. Lightning is the same thing. When lightning travels toward the ground, it heats the air around it. This heat causes a lot of pressure to build up in the air very quickly. That air pressure explodes out like a popping balloon, making a loud noise we call thunder. Boom!

Blizzards

A blizzard is a very bad snowstorm that lasts three hours or more. In a blizzard, high winds blow constantly and there may be strong gusts that blow more than 33 miles per hour. So much snow whisks around that it might be impossible to see what's right in front of you. Whoo!

Tornadoes

Tornadoes, or twisters, can happen when warm, moist winds mix with cool, dry winds. They form over land and are shaped like a funnel, with a wide part on one end and a pointed tip on the other. Tornadoes spin around and around with winds that can blow up to 200 miles per hour. These storms sound like a rain. Boor!

Hurricanes

Hurricanes are storms with strong winds and heavy rain. They form over warm ocean waters. Warm, moist air over the water rises, where it is replaced by cooler air. The cooler air warms and rises again. This cycle, or series of repeating actions, causes huge storm clouds to form that can be hundreds of miles across! In the northern part of the world, storms turn in a counterclockwise direction around an "eye" where the weather is perfectly calm. The strongest winds and heaviest rains are just outside of the eye. Not all hurricanes reach land. Many stay out at sea where their winds cause little damage. Whoo!

What kind of extreme weather happens where you live?

Parts of a Tornado

Counterclockwise = the opposite direction of how clock hands move

Structure of a Hurricane

Stop & Discuss

What makes hurricanes and tornadoes extreme? Underline details that tell you how strong these storms are.

LESSON 3

READ

Rocky Weather Ahead!

by Todd Tuell

MAP OF THE ROCKY MOUNTAINS

Severe = very bad

What do you know about the Rocky Mountains? You might know that the Rockies are very tall. You might also know that this mountain range runs through the western part of the United States. But did you know that the Rockies also have some of the most unpredictable weather in the United States? Though the area is known for its sunny days, the weather can turn severe in just minutes.

How can the weather change so quickly in the Rockies? It has to do with the slope and the height of the mountains. Wind has something to do with it, too. Wind blows up and down the mountains all the time. Up and down, up and down. Put these things together, and you get extreme weather.

How Hail Forms

Stop & Discuss

How do hailstones get bigger and bigger? Underline the sentence in paragraph 3 that explains this. Then explain it to your partner.

Hailstones get bigger when...

LESSON 1

READ

Hurricane

by Dionne Brand

clotheslines = ropes or wires on which washed clothes are hung to dry

blinds = window coverings

Stop & Discuss

What is happening in the first three stanzas, or parts, of the poem? Put a star (*) next to lines that describe what people are doing. Put a checkmark (✓) next to lines that describe the storm.

1 Shut the windows
Bolt the doors
Big rain coming
Climbing up the mountain

2 Neighbors whisper
Dark clouds gather
Big rain coming
Climbing up the mountain

3 Gather in the clotheslines
Pull down the blinds
Big wind rising
Coming up the mountain

LESSON 3

READ

LIGHTNING

by Jennifer Jeseph

Lightning = cutting with a sharp movement

Thundering = hitting hard

squall = sudden wind, usually with rain or snow

Stop & Discuss

What does the speaker see and hear? Put a checkmark (✓) next to the lines that describe what the speaker sees. Put a star (*) next to lines that describe the sounds.

1 I see lightning,
and it's frightening
tearing up the summer skies.

2 Watch it flashing
See it **clashing**.
Everything electrifies.

3 Hear it cracking.
Trees are **checking**.
I curl into a ball.

4 I cover my head,
and stay in bed
away from this big **squall**.

5 Now it's dawning.
The storm is going.
The lightning's not so bright.

6 It's getting dimmer,
just a glimmer
of flickering, flashing light.

Building Background Knowledge: Content and Cultural

Unit Topics Designed to Build Knowledge

Magnetic Reading K–5 resources are dedicated to explicitly building knowledge through a curated series of coherent texts that are rich, compelling, and accessible. As students build knowledge, they add to their stored background knowledge they can use anytime they encounter new texts. Research shows that all students need exposure to grade-level texts—and the background knowledge to comprehend them—to promote grade-level proficiency for every learner in the classroom (Steiner et al., 2018; Shanahan, 2019; Martinez, 2021). In each *Magnetic Reading* K–5 unit, students read grade-level-appropriate and conceptually connected literary and informational texts that pertain to a topic.

Magnetic Reading Foundations K–2						
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
Grade K	All about Me	Express Yourself	Leaves, Wings, and Furry Things	In My Community	Stories About . . .	What's the Weather?
Grade 1	Friendship	Create Every Day	The Underwater World	Neighborhoods	Imagine That!	In the Sky
Grade 2	Getting Along with Others	Making Art	What's That Habitat?	It's on the Map!	Tell Me about It	Land and Water



This image illustrates some of the various literary and informational decodable texts that students read as they begin to build knowledge in the Grade 2 **It's on the Map!** unit.

Magnetic Reading 3–5

	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
Grade 3	Solving Problems	Ocean Survival	Making a Difference	Changes in the West	Wild Weather	Artful Ideas
Grade 4	Facing Challenges	Technology	Exploring	Traditions	Sports	Humans and Energy
Grade 5	Overcoming Obstacles	Art in America	Earth's Water	Survival	Underground Railroad	Communication



This image illustrates some of the various literary and informational texts that students read to build knowledge in the Grade 4 **Humans and Energy** unit.

Conceptually Connected Texts

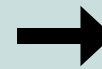
Magnetic Reading K–5 resources develop readers for today and tomorrow by inviting students to learn about and engage with the world. It is in the content-rich and diverse grade-level texts that students begin to explore their world, chart new paths, and find novel destinations (Davidson & Liben, 2019). Students start building knowledge early and often by reading conceptually connected grade-level texts. Our robust text sets are intentionally designed to connect across grade levels to build knowledge systematically in service to deep and transferable understanding for future reading.

Topic: Earth Science

Grade K, Unit 6:
What's the Weather?



Grade 1, Unit 6:
In the Sky




Grade 2, Unit 6:
Land and Water

Literary Texts

Let's Read! Words with Short i, Long i
Super Words: more, other, people, your

Tim in His Rig



Tim is in a line in his rig.
Other people line up with Tim.
Tim sees big clouds.
Water hits his rig.
More water hits his rig.

240 WEEK 28 • Session 14



Troy laced up his new boots.
Sue grabbed a bag and Mom
got a flashlight. Then they met
Dad by the trail.

The family enjoyed hiking in the
woods. It would be fun to hike in
the moonlight.


3

Let's Read! Words with le, el, al
Super Words: area, building, measure, nothing

The Little Volcano

Once upon a time, there was a volcano in the sea. It all started with a rumble deep inside. Then it erupted and kept erupting. Eruption after eruption, it kept **building** itself. After a very long time, it poked out of the sea. It got bigger and bigger until it was a tall mountain.

After thousands of years, the volcano made a big decision. It could not **measure** how tall it was. But it could look across the sea in all directions. So, it decided to stop erupting.



258 WEEK 29 • Session 14

Informational Texts




The sun came out.
It is not cold now.
But it is not hot.
The snow will go.
It was fun!

8

Let's Read! Words with oi, oy
Super Words: another, live, move, near

Enjoying Our Sun




We need our sun! We need our sun's light. Without it, we would **live** in darkness all the time.

We need our sun's heat. Without it, water could not rain down or even **move**. It would all be ice. That would be **another** big problem!

240 WEEK 28 • Session 14

Look at the ground under your feet. It is part of Earth's top layer, or crust. Mountains, prairies, and canyons are parts of Earth's crust we can see.

If you could dig deep into Earth, you would find hot, melted rock called magma. Magma can be thin and watery or thicker-like oil. Sometimes, magma rises through cracks in Earth's crust and bursts out above the ground.



2

Students read several literary and informational texts throughout a unit to build knowledge in key content areas and relevant social-emotional themes within and across grade levels.

Grade 3, Unit 5: Wild Weather

Grade 4, Unit 6: Humans and Energy

Grade 5, Unit 3: Earth's Water

Session 5 **READ**

When Tornadoes Come Roaring In

by Alexandra Alessandri

1 Storm clouds coat the sky a greenish gray. Wind whooshes, shaking palm fronds like pom poms. Lightning zigzags. Thunder booms. Hail plink, plunk, plunk.

2 Then sirens wail, loud and strong: "Tornado warning!" they cry. Papa tags me to a safe room tucked away from windows.

3 Walls rattle. Ears pop. The wind moans and groans while we lie low and wait. Its rumble builds into a roar, like a train chug-a-chugging toward us.

4 When it's over, silence stretches until Mama says, "It's safe." I follow them outside and watch as sunshine chases storm clouds away.

Step & Discuss
What words describe the way the storm looks?
What words describe the way the storm sounds?
Talk about the words with a partner.

322 **Unit 5** **Wild Weather**

Session 5 **READ**

Digging In

by Brooks Benjamin

1 Dear Journal, June 28
I didn't sleep much last night because I was way too excited! This morning, I even got up before Dad. Right now, we're eating breakfast, and everyone's talking about the objects they dug up, but my mind is focused on that tooth. I can't stop thinking about the fossil I helped unearth.

2 I've seen dinosaur fossils a million times in movies or TV shows or at the museum. But it's totally different when you see a fossil still in the ground.

3 At least it is for me. It's like something in my brain clicked, and I realized that these creatures stomped around in the same places we do today.

4 We're going to the site now, so I'll check in later.
—Maxxox

173 **Unit 6** **Humans and Energy**

Session 5 **READ**

from Out of the Dust

by Karen Hesse

1 In the 1930s, the Southern Plains region of the United States suffered a severe drought. The lack of rain and snow combined with high winds to create dust storms that killed farm crops. In this excerpt, it is 1934, and fourteen-year-old Billie Jo Kelly and her family are struggling to survive on their Oklahoma farm.

Fields of Flashing Light

1 I heard the wind rise, and stumbled from my bed, down the stairs, out the front door.

2 Into the yard. The night sky kept flashing, lightning danced down on its spindly legs.

I sensed it before I knew it was coming. I heard it.

3 I smelled it, tasted it. Dust.

While Ma and Daddy slept, the dust came, set for harvest in June, stood helpless. I watched the plants, surviving after so much drought and so much wind.

4 I watched them fry, flatten, or blow away, like bits of cast-off rags.

173 **Unit 3** **Earth's Water**

Session 5 **READ**

TORNADOES

by Peter Murray

1 It is late afternoon on a hot summer day. The air is thick and moist. Tall, fluffy clouds appear in the sky. Then the wind begins to blow, getting stronger every minute. A scrap of paper sails through the air.

2 Over a few hours, the air cools and the sky turns yellow. Rain falls and lightning flashes. Seconds later, thunder booms. The bottom of the thundercloud swells, twists, and spins. Soon a cone-like shape drops from the cloud. This shape is called a funnel cloud.

3 As the funnel cloud stretches downward, it sounds like rushing air. Then the tip of the cloud touches the ground. The noise, now more like a train, gets louder and louder. The funnel cloud has become a tornado.

swells = gets bigger

HOW TORNADOES FORM

Thundercloud
Cooler
Warmer
Dirt and dust turn the funnel cloud dark gray when it touches down.

295 **Unit 5** **Wild Weather**

Session 5 **READ**

DRAWING UNDER ICE

by Kirsten Carlson

1 Putting on all my warm, waterproof diving gear took longer than the dive itself. I prepared to enter the chilly water through a large round hole drilled through thick sea ice. These ocean temperatures are colder than a glass of ice water. But pecking through the hole was like looking at a starry nighttime sky. Through the crystal-clear water, sea stars on the ocean floor far below seemed to glow.

Above: Kirsten Carlson's drawing of her dream.
Below: Kirsten Carlson drawing underwater on an earlier dive.

207 **Unit 6** **Humans and Energy**

Session 5 **READ**

THE WATER CYCLE

Water evaporates into an invisible vapor that rises into the cooler atmosphere. When the vapor cools enough, it condenses into tiny liquid droplets we can see, forming clouds. If the droplets become large and heavy enough, they fall to Earth as precipitation, such as rain. Liquid water filters into the ground, joins lakes, streams, and rivers, or freezes into glaciers and polar ice caps. Eventually, water returns to the oceans and moves through the cycle again.

So Much, Yet So Little

1 Although Earth appears to be covered by water, only about three percent of the water on Earth is fresh (not salt water). About 70 percent of Earth's fresh water is locked in the Antarctic ice sheet. Some fresh water is trapped underground in hard-to-access aquifers, layers of underground rock that store fresh water.

A Delicate Balance

2 Humans need water to survive. We need water for bathing and growing food, and we need fresh water for drinking. Humans cannot live more than a week without water. All of these uses require fresh water—but humans can also pollute water in many ways. Pollution in the air, such as from cars or factories, can end up in water, and fresh water can become polluted through activities like mining. Water that is polluted is no longer fresh water, and it must be cleaned before humans can use it again. Cleaning dirty water is both expensive and time-consuming.

Liquid Legacy

3 "The cycle of life is intricately tied up with the cycle of water," wrote ocean explorer Jacques Cousteau. "The water system has to remain alive if we are to remain alive on this Earth." Our planet's ancient water is our legacy. It is ours to care for and pass on to the generations that will come after us.

require = need
legacy = something that lives on even after death

Step & Discuss
What does Jacques Cousteau's quote in the last paragraph mean? Explain the quote in your own words.

181 **Unit 3** **Earth's Water**

Knowledge Building (Cultural)

Research shows that knowledge from students' cultural experiences affects reading comprehension (Bell & Clark, 1998). *Magnetic Reading 3–5* provides students with exposure to a wide range of texts that mirror many cultural backgrounds and experiences. Within these texts, students can make personal connections to the lesson topic. This gives students an opportunity to share their cultures, providing other students with a window into cultures that may be unfamiliar. This helps all students build knowledge, which improves reading comprehension (Knowledge Matters Campaign, 2021).

SESSION 2 READ

Teen Inventor Captures the SUN

by Alice Cary



Kelly Charley is a teenage inventor.

board = to stay and live

Stop & Discuss
Why did Kelly worry about going away to school?
Underline details that describe her worries.

CONNECT IT

labor = hard physical work

toll = damage or cost

Stop & Discuss
Why was burning coal and wood both necessary and possibly harmful?
Talk with a partner about its good and bad effects.

1 Wouldn't you love a good excuse to skip your chores? Not Kelly Charley. Living with her mother and sister on her grandparents' farm in Arizona, she willingly helped with many different tasks. One of her most important jobs was heating her family's home.

2 Most winter evenings at about five o'clock, Kelly went outside to chop wood and load the pieces into a wagon. She also filled a bucket with coal and then carried the wood and coal inside. It was hard but necessary work, because her family used this fuel to heat their home.

3 When Kelly was about to enter high school, she began to worry. The school was 90 minutes away from her home, making it too far to travel each day. She would need to **board** at school during the week. But who, she wondered, would bring in the fuel each evening while she was away? Not only were coal and wood heavy, but when supplies got low her family had to drive more than 100 miles to get more. She hated the idea of her grandparents having to take over her chores.

Navajo Nation

Utah Colorado
Arizona New Mexico





Some texts illuminate the cultural identities and experiences of a particular group, such as deeper beliefs and customs.

Other texts illuminate cultural identities through "surface" details, such as food and dress.

SESSION 1 READ

from STAND UP, YUMI CHUNG!

by Jessica Kim

It's summer and Yumi Chung is secretly attending comedy camp in the afternoons. She hopes to audition for PAMS, a performing arts middle school. But Yumi's parents want her to go to Winston, an elite private school. They assume she spends every spare moment studying for a scholarship exam.

Now it's time for the camp showcase and Yumi faces a difficult decision.

showcase = an event where people perform for an audience

Stop & Discuss
What is Yumi's goal?
Underline sentences that support your answer.

LESSON 2

Operation Show-My-Case

Who: Mom and Dad

What: Invite Mom and Dad to come see me perform at the Haha Club Comedy Camp Showcase

Where: August 13

Where: Haha Club

Why: So they'll see my passion and talent

STEP ONE: Invite parents to the showcase.

STEP TWO: Perform my best material at the showcase.

—Mom and Dad will be very confused but impressed.

—Tell them the truth about camp.

STEP THREE: Ace the test.

—Study every night at least three hours after dinner.

—Ask my test-prep teacher for extra homework and additional practice tests. (Gulp!)

STEP FOUR: PAMS

—Ask Mom and Dad to let me audition for PAMS; they'll say yes because it's free and because of the showcase.

—Attend PAMS with [my comedy camp buddies] Sienna and Felipe, get great grades, become world-class comedian.

Stop & Discuss
How sure is Yumi that her plan will solve her problem?
☐ very confident
☐ somewhat confident
☐ not at all confident
Explain your ideas to a partner.

1 Would it be such a crazy idea to invite my parents to the **showcase**? Maybe, just maybe, if I blow them away with my act, they'll see why I need to go to PAMS.

2 But first, I have to convince my parents to listen with the one thing I can count on to get their attention: my education. From now on, I'll have to study extra hard so I can ace that test. I'll do whatever I have to do to prove to Mom and Dad that I can get good grades and do comedy at the same time. I have to prove to them that I can do things my own way.

3 I don't know exactly how I'm going to pull this off. All I know for sure is if I want a shot at going to PAMS, I have to give it all I've got. I open to a blank page of my notebook and start plotting the details of Operation Show-My-Case.

4 Live happily ever after.

Rafael's Plan

Part 1 by Cindy L. Rodriguez



- One November morning, my teacher gave my class a project. It was the same assignment all the grades got every November: writing letters to veterans.
- "If you know someone who has served in the military, you can write to that person," said Ms. Ortiz. "If not, your note will go to one of the veterans at the local veterans center. I will mail them all in time for Veterans Day. Whether you write a short note or a long letter, please write something from your heart. Make it feel personal."
- I wanted to get my ideas down as quickly as possible, so I grabbed a pencil and my thoughts poured out in a letter to my aunt Aida. She was in the Army about ten years ago, before she became a **lawyer**.

lawyer = a person whose job is to know about the law

Stop & Discuss

How does Rafael feel about his aunt? Underline two details that tell how he feels about his tia.

- Dear tia Aida,
- Hil Ir's Rafael. Please don't tell my other aunts and uncles, but you're my favorite! You are strong and smart. You tell good stories about being in the Army. You always make me feel better when I'm sad. It's so cool that you can belly crawl across the floor in the blink of an eye. I've been practicing so that I can be as quick as you. Let's have a crawling race soon!

Love, Rafael

- I peeked at my friend Danny's note. It said, "Thank you for your service."
- "Are you going to write more?" I asked.
- "No, this is what I write every year," Danny said with a **shrug**.
- "Do you know any veterans?"
- Danny shook his head.
- I was glad I could write something special to my aunt. I felt bad for the people who would be getting dull, emotionless notes like Danny's, from kids they didn't know. I wished Danny could meet tia Aida and some of her friends.
- Suddenly, I had an idea. I jumped up out of my chair, but then quickly sat back down. I didn't want to be **disrespectful** or make Ms. Ortiz think her assignment was bad. At the same time, my idea was too good not to share. I calmed myself down and pulled it together. I raised my hand and took a deep breath.
- "I think writing notes is great," I said. "But maybe we could do something different this year."

shrug = when you raise your shoulders to show you do not care

disrespectful = not polite

Stop & Discuss

What does Rafael hope would happen if Danny could meet tia Aida and her friends? Discuss your response and a detail that helps you understand what Rafael hopes would happen.



A mix of cultural representation—from deeper beliefs and customs to surface-level culture—gives students the opportunity to build knowledge by connecting to their own experiences and learning from others.

The Cherry Blossoms of High Street Part 1

by Nandini Bajpai



Bhaiya = older brother

Stop & Discuss

Why is Jiya upset? Discuss with a partner.

- My older brother was waiting for me when I got off the bus, like he did every day after school. But on our chilly walk home, something was different. The cherry blossom trees along our street had bright yellow tape tied around them, the loose ends flapping in the wind.
- "Samar **Bhaiya**," I said to my brother, "what's the tape for?"
- Samar made a whirring sound, like an electric saw. "The city marked the trees they're going to cut down," he said. "Then they're going to widen High Street."
- My heart pounded. "What? That's horrible!"
- "But look at the traffic, Jiya," he said, pointing at the long line of cars waiting at the stop light. "The bus takes forever. It'll be faster when the street has another lane."
- "Couldn't they widen a different road?"
- Samar shrugged. "It's not a big deal."
- But it was a big deal. Even in the winter, the trees on High Street stood graceful and tall, holding up their bare branches like friends waving hello. When we moved to Michigan from India, I missed my friends. I also missed the *kachnar* trees near our old home in Delhi. They were covered in pink flowers every spring. My first spring in Michigan, seeing the pink cherry blossoms made me feel better. They were so much like the *kachnar* flowers.

- We walked up the stairs to our apartment. Inside, I dropped my backpack and took off my shoes.
- "Mama," I said, "Samar **Bhaiya** says the cherry blossom trees are going to be cut down!"
- "I'm sorry, Jiya," Mama said. She knew I loved the trees. "We got a **notice** about it, but I forgot to tell you."
- I looked out the window. The branches were making long, lacy shadows on the sidewalk.
- "I wish I could see the cherry blossoms bloom one more time," I said. *Wait—maybe I could!*
- I pulled out my art supplies and cut a bunch of small, delicate flowers from pink construction paper. I punched a hole in each one and made a loop with string. Soon I'd created a huge heap of paper blossoms.
- Samar poked his head into the room. He eyed the pink paper scraps and bits of string littering the floor.
- "Mama's not going to like this mess," he said.
- I gathered up a bunch of flowers in my arms. "I'll clean it later. Help me take these outside."
- Grumbling**, Samar helped me tie the flowers to the lower branches of the tree in front of our building. Soon the paper flowers danced in the breeze.

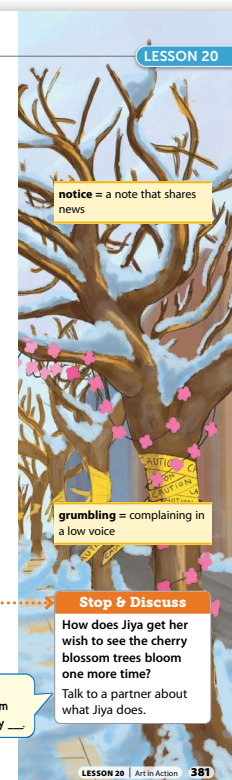
notice = a note that shares news

grumbling = complaining in a low voice

Stop & Discuss

How does Jiya get her wish to see the cherry blossom trees bloom one more time? Talk to a partner about what Jiya does.

Jiya sees the cherry blossom trees bloom by _____



Verbal Reasoning

The ability to comprehend and analyze complex texts is key to students' success in the classroom and beyond. To deeply comprehend and analyze a variety of complex texts, students must learn to think about what the text says explicitly as well as its implied meaning. *Magnetic Reading* 3–5 provides explicit instruction in figurative language that helps students interpret what the author means to convey. Additionally, students have ample opportunities to practice drawing conclusions by connecting new information to what is already known, facilitating independence and participation in grade-level reading and discourse.

Students begin every lesson with **Talk about the Topic**, during which they make connections to their own background knowledge and the new concepts in the lesson.

SESSION 1 TALK ABOUT THE TOPIC

Before Teaching the Lesson
Preview the texts before teaching the lesson. Plan scaffolds to use as needed before reading.

- **Maui and the Flaming Fingernails** This story is from the Maori culture in New Zealand. The Maori oral tradition includes a trickster hero named Maui. Like the other myths in the lesson, this story explains where fire came from and how people learned to control it. Use a map to identify New Zealand.
- **Coyote Steals Fire: A Shoshone Tale** Coyote is a trickster hero in the tales of the Shoshone Nation and other Native American traditions. In the past, Shoshone people lived in tipis because they moved with the seasons to different parts of Idaho and Utah. Part of the story takes place in Moson Kahn, which was a winter home. Use a map to show its location in the Cache Valley in Idaho.
- **Prometheus's Gift** is a retelling of the Greek myth about Prometheus giving fire to humanity. **The First Fire** retells a Cherokee myth about a cooperative effort to get fire. Use a map to identify Greece and the southeastern United States.
- Consider sharing videos of Maori, Shoshone, Greek, or Cherokee storytellers.

Talk About the Topic

BUILD STUDENTS' INTEREST

1. Introduce the lesson topic and the Focus Question. Tell students they will read, talk, and write about myths related to fire.
2. Prompt students to **Turn and Talk** about what the Focus Question means.
3. Invite students to use their home language to discuss the Focus Question. **EL**
4. Point out that all cultures have myths. Have students **Raise a Hand** to share myths from their own cultures.

2. Ask students to complete Notice and Wonder with a partner.

3. Use **Vote with Your Feet** to have students identify the myth they are most interested in reading.

348 UNIT 6 | Humans and Energy

SESSION 1 TALK ABOUT THE TOPIC

First Fires

1 FOCUS QUESTION

What do myths tell us about the importance of fire?

2 NOTICE AND WONDER

Look at the myths you will read in this lesson. What do you notice? What do you wonder? Discuss your ideas with a partner.

3 WHAT IS A MYTH?

Pick one of the terms below and explain how it connects to myths. Add other words you know that connect to myths.

gods	explanation	nature	story
trickster	storyteller	tradition	ancient

The word ____ is connected to myths because ____.

Another word connected to myths is ____.

Maui and the Flaming Fingernails
by Amira Shea

Coyote Steals Fire: A Shoshone Tale
by The Northwestern Band of the Shoshone Nation

Prometheus's Gift
by Caleb Stanley

The First Fire
by Sophia Porter

349 UNIT 6 | First Fires

LESSON 18

- Introduce the focus standard. **Say**, After you read myths from different cultures, you will compare the stories to see how they are similar and how they are different.
- 3. **INTRODUCE ESSENTIAL CONCEPTS**
 - Have students use **Merry-Go-Round Share** to complete What is a Myth?
 - Guide students to make connections between terms. Use sentence frames as needed.
 - Invite students to add other words that connect to myths and include examples of myths or characters they know such as Anansi, Coyote, or Zeus.
 - Encourage students to identify cognates in their home language such as *tradition/tradicón* and *explanation/explicación*. **EL**
 - Use **LISTEN FOR** to monitor understanding. Use **Help & Go** scaffolds as needed.
 - **LISTEN FOR** Students are familiar with some basic characteristics of myths.

HELP & GO: Background

- **Say**, Myths are ancient stories people told to answer big questions about the world. They explain something about nature or people. Many explain the origin, or beginning, of how something came to be. What myths do you know? What do they explain?
- Explain that trickster characters use their wits to outsmart powerful authority figures like gods or kings. They use smart tricks instead of physical strength or power. In many stories, they trick authority figures who are being unfair, cruel, or greedy.

• Use **Pick a Stick** to have a few students share the connections they made between myths and the related terms. Record their ideas. (Sample connection: Myths are ancient stories people told to explain things about nature.)

LESSON 18 | First Fires 349

Help & Go scaffolds for Background support students in connecting to prior knowledge so they can draw conclusions throughout the lesson.

HELP & GO: Background

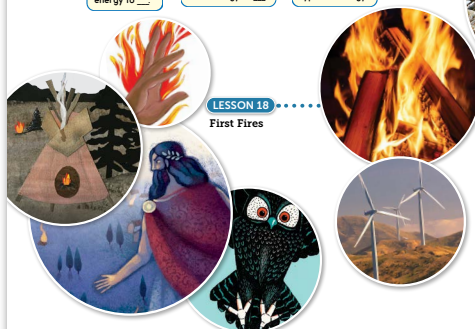
- **Say**, Myths are ancient stories people told to answer big questions about the world. They explain something about nature or people. Many explain the origin, or beginning, of how something came to be. What myths do you know? What do they explain?
- Explain that trickster characters use their wits to outsmart powerful authority figures like gods or kings. They use smart tricks instead of physical strength or power. In many stories, they trick authority figures who are being unfair, cruel, or greedy.

Smarter Energy

TALK ABOUT WHAT YOU KNOW

Use the pictures to remember the texts that you read in this unit. Turn and talk with a partner about what you already know about humans and energy. Use the sentence frames to help you.

Humans need energy to ____
In the past, people used energy to ____
and ____ are types of energy.



LESSON 18
First Fires

LESSON 19
Sources of Energy

LESSON 20
Solar Power

WORD SORT

Underline words that name energy sources. Circle words that describe how we use energy. Discuss your thinking with a partner.

fuel wood light bulb
solar panel car electricity
coal fire sun heater

A **Connect It** lesson at the end of every unit culminates learning as students analyze a longer text, draw conclusions, and make connections between the other unit texts.

SESSION 2 SCAFFOLD READING

CONNECT IT

Support Reading

- Have students read paragraphs 6–8.
- CHECK IN** Students understand what it means to “run into challenges.”

HELP & GO: Language

- Ask students to consider what the text means when it states that Kelly “ran into challenges.” (Kelly sometimes had troubles in life.)
- Clarify that Kelly is not actually running. Instead, the phrase refers to how people experience tough situations, or challenges, in life. **EL**

- CHECK IN** Students use the diagram to help them understand how Kelly’s heater works.

HELP & GO: Comprehension

- Ask, What does the diagram on this page show? How does it help you understand the text? It shows what paragraph 8 describes.
- Have students use their fingers to trace each step in the process in order.

Stop & Discuss

- Have students **Turn and Talk** to complete the **Stop & Discuss**.
- LOOK FOR** Students identify Kelly’s mother’s encouraging words.

HELP & GO: Comprehension

- Have students reread paragraph 6. Ask, What did Kelly’s mother say when Kelly ran into challenges? “We can do this ourselves.”
- Clarify that Kelly’s mother might have said this about her family, the whole Navajo nation, or both. Ask, How is Kelly affected by her mother’s words? Kelly decides to solve the family’s heating problem herself.
- Have students share messages of encouragement that friends or family members have given them.

READ

6 Growing up, whenever Kelly ran into challenges, her mother reminded her, “We can do this. We can do this ourselves.” So, Kelly decided to work on a solution to the heating problem. For her science project, she planned to invent a new way to heat her home using solar power.

7 Kelly designed her heating system to be used in a traditional Navajo home, a round building called a hogan. She wanted it to work without any need for electricity or running water. “It was important for me to make my solar heater work with a hogan because I feel like I’m connected to who I am and where I come from,” Kelly explained. “I’ve been able to say thank you back to the ones who have supported me.”

8 Kelly’s heater used a solar panel that was placed on the roof. The panel contained tubes of antifreeze, which were heated by the sun. These tubes connected to a large bucket of water inside the home. The antifreeze flowed through the tubes to heat the water in the bucket, which made the room warmer.

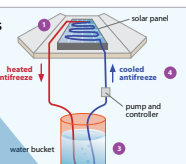
antifreeze = a liquid added to water to stop it from freezing

Stop & Discuss

How did Kelly’s mother support her? Underline details in the text.

HOW KELLY’S INVENTION WORKS

- The solar panel on the roof contains tubes of antifreeze. The sun heats the antifreeze.
- The heated antifreeze flows through the tubes into a bucket of water in the house.
- The heated antifreeze heats the water, which heats the house.
- The antifreeze runs back up to the solar panel on the roof.



Kelly’s heating system begins with a solar panel on the hogan’s roof.

9 Kelly worked on improving her invention throughout her four years of high school. She entered her invention in national science contests and won many awards. But Kelly didn’t build her solar heater to win awards. “I did all of this because I care and wanted something for my grandparents,” she stated. “I was doing this for a purpose, and all those other things just came along with it.”

10 By the time she graduated and headed to college, Kelly had decided to study engineering. She loved using science to solve problems. “There was a purpose behind what I was doing,” Kelly says, “rather than just doing an experiment to do an experiment.”

11 Of course, no matter where she is or what she is doing, Kelly’s Navajo roots will always be close to her heart. “We can still be connected to our culture. We won’t have to stick to the old ways, but we don’t have to let go of them, either,” she said. “We can incorporate new technologies, and we can continue to develop and move forward with our culture.” The addition of Kelly’s new heating system into her community has brought not only greater ease for the Navajo people but also a healthier environment.

engineering = the work of designing and building machines or structures
incorporate = to include something different in the way you do things

Stop & Discuss

According to Kelly, why did she invent her heater? Discuss her reasons with a partner.
Kelly invented her heater because ____

Support Reading

- Have students read paragraphs 9–11.
- CHECK IN** Students understand the idioms close to her heart and move forward.

HELP & GO: Language

- Explain that idioms are common expressions that typically have a figurative meaning different from the literal meaning. Say, Here, close to her heart means something important to Kelly. **EL**
- Say, Kelly also believes it’s OK for her culture to move forward, or make progress.

Stop & Discuss

- Have students **Turn and Talk** to complete **Stop & Discuss**.
- LISTEN FOR** Students understand what motivated Kelly to invent and improve her heater.

HELP & GO: Comprehension

- Direct students to paragraph 9. Ask, What did Kelly say about why she built her solar heater? to help her grandparents and her community
- Help students understand that Kelly was more interested in helping people than in winning awards.
- Ask students to justify their responses with text evidence.

Discuss the Whole Text

- Use **Pass It On** to guide the whole class in a discussion of the text. Use any of the following questions as discussion starters:
—What surprised you most about Kelly Charley?
—How would you compare this text to the other texts in this unit?
—What connections can you make between this text and your family or community?

HELP & GO: Language

- Ask students to consider what the text means when it states that Kelly “ran into challenges.” (Kelly sometimes had troubles in life.)
- Clarify that Kelly is not actually running. Instead, the phrase refers to how people experience tough situations, or challenges, in life. **EL**

Help & Go scaffolds for Language give teachers flexible opportunities to support students in interpreting figurative language, such as metaphors, similes, and idioms, understanding shades of meaning, and analyzing multiple-meaning words.

Language Structures

The order of words (i.e., syntax) and the meaning of those words (i.e., semantics) combine to allow students to understand a text in the way the author intended. Awareness of sentence structure helps students make sense of the meaning behind the words (Sorenson Duncan et al., 2021). When students have a broader understanding of the meanings of words and phrases, they are able to make connections within the context of a text to comprehend what they are reading. *Magnetic Reading 3–5* resources support students' language development with strategic scaffolds and instructional routines.

SESSION 3 SCAFFOLD READING

Support Reading

- Have students read paragraphs 8–10.
- CHECK IN** Students understand complex sentences in paragraphs 8 and 9.

HELP & GO: Sentence Comprehension

- Break apart long sentences into shorter sentences. Model this skill using the dialogue in paragraph 8. **Say**, *Why should I want more land and work? This would take me away from my trees. It might cause me to lose them.*
- Have students practice this skill using the dialogue in paragraph 9. **Ask**, *How would you break this sentence into pieces? I do not need the new field. It would be better to care for my silver trees.* Have students share their sentences.

Stop & Discuss

- Have students complete **Stop & Discuss** independently, then **Turn and Talk**.
- LOOK FOR** Students underline the farmer's decision in paragraph 9.

HELP & GO: Comprehension

- Ask**, *What does the farmer say as he starts to go? "I do not need the new field, and I would be better off caring for my silver trees." What does this suggest he plans to do? He plans to focus on his trees and not buy the land.*
- Partner students who speak the same home language to discuss the farmer's decision in the language of their choice. **EL**


Discuss the Whole Text

Use **Compare and Connect** to revisit the Focus Question. **Ask**, *What has Aden learned about how people help each other solve problems? What is he still trying to find out?* Use **Stand and Share** to have students share their responses. Record students' ideas.

SESSION 5 INDEPENDENT READING

The Hermit's Secret

Part 3 by Leslie J. Wyatt



LESSON 3

- One morning, the old man became ill and had to stay in bed. As Aden brought him soup, there came a knock on the door.
- "Oh, no!" exclaimed Aden. "Someone is here to see you. Shall I tell them to come back another day?"
- The old man smiled. "No, you go."
- With his heart in his stomach, Aden greeted the visitor at the door. "Hello," he said uncertainly.
- "Good morning," she replied. "I am here to see the wise old man."
- Aden bowed low. "I am truly sorry, but he is sick today. Is there anything I can do to help?"
- The woman sighed and sank into a chair. "What answer could you give me? You are so young. You don't know how it is to have a son who wants to become a merchant and leave me and our farm behind."
- "How difficult that must be for you," Aden said. He was sorry that he had no words of wisdom.
- "Yes, it is difficult. I **desperately** need someone to take care of the farm. All my son wants to do is buy and sell and make money."
- "Mmmmm," murmured Aden as he handed her a cup of tea. "It's hard to know what to do, isn't it?"

desperately = very badly

HELP & GO: Language

- Direct students to the phrase *words of wisdom* in paragraph 8. **Ask**, *Thinking back to what you have read and using what you know, what does Aden mean by words of wisdom? good advice* How do you know that? *Earlier in the story, the visitors thank the hermit for his wise words, which also means advice.*
- Encourage students to explain the concept of wisdom in their home language. **EL**

CHECK IN Students understand the woman's problem and why Aden listens to her.

HELP & GO: Comprehension

- Ask**, *What is the woman's problem? Her son wants to move away to become a merchant instead of helping her with the family farm.*
- Ask**, *Why does Aden listen to her problem? The hermit is not feeling well, so Aden talks to her.*

HELP & GO: Sentence Comprehension

- Break apart long sentences into shorter sentences. Model this skill using the dialogue in paragraph 8. **Say**, *Why should I want more land and work? This would take me away from my trees. It might cause me to lose them.*
- Have students practice this skill using the dialogue in paragraph 9. **Ask**, *How would you break this sentence into pieces? I do not need the new field. It would be better to care for my silver trees.* Have students share their sentences.

Help & Go scaffolds for Sentence Comprehension support students in recognizing and comprehending longer, more complex sentences.

HELP & GO: Language

- Direct students to the phrase *words of wisdom* in paragraph 8. **Ask**, *Thinking back to what you have read and using what you know, what does Aden mean by words of wisdom? good advice* How do you know that? *Earlier in the story, the visitors thank the hermit for his wise words, which also means advice.*
- Encourage students to explain the concept of wisdom in their home language. **EL**

Help & Go scaffolds for Language help students broaden their understanding of words and phrases.

Lessons in *Magnetic Reading* 3–5 provide explicit instruction in determining word meaning using word parts, context clues, and background information.

SESSION 3 SCAFFOLD READING

5 Support Reading

- Have students read paragraphs 16–19.
- CHECK IN** Students understand the language used to describe Maddox's work at the site.

HELP & GO: Language

- Direct students to paragraph 16. Have students use gestures to show Aisha trimming the rock and Maddox sweeping away the dust. **EL**
- Guide students to unpack the meaning of the phrase *settled into a rhythm*. (turn-taking, back-and-forth, unspoken, pleasant)

6 Stop & Discuss

- Have students **Turn and Talk** to complete the **Stop & Discuss**.
- LISTEN FOR** Students explain how they know Maddox's attitude about working at the site is changing.

HELP & GO: Comprehension

- Point out the use of exclamation marks and capital letters in paragraphs 17–19. **Ask**, *How do these features help show how Maddox feels? They show that Maddox is excited about the fossil.*
- Say**, *Maddox uses the words actual and actually in paragraphs 18 and 19. How do these words add to his meaning? He is surprised and excited about having helped to uncover a dinosaur fossil.*

Discuss the Whole Text

- Revisit the Focus Question. Have students use **Snowballs** to share their response to the following prompt and to respond to 1–2 other students: *What has Maddox learned so far about exploring?*
- Record and post students' responses.

SESSION 4 PRACTICE THE FOCUS STANDARD

LESSON 9

1 Determine Word Meanings

- Use context clues and background knowledge to figure out the meanings of unfamiliar words.
- Background knowledge may include knowledge about word parts, words from other languages, and allusions to other stories, such as characters from mythology.

2 Reread/Think

Reread Part 2 of "Digging In." List any context clues or background knowledge that can help you determine the meanings of the words in the chart. Then record a meaning for each word.

Word	Context Clues and Background Knowledge	Meaning
odyssey (paragraph 2)	<ul style="list-style-type: none"> "For hours and hours. It was an odyssey." The Odyssey is about Odysseus, a man who goes on a difficult ten-year journey. 	a long and difficult journey
trek (paragraph 2)	<ul style="list-style-type: none"> "had to trek up the steepest mountain ever" "tripping over" 	make a long, difficult trip on foot
regain (paragraph 4)	<ul style="list-style-type: none"> "rest . . . and regain my strength" "got my energy back" regain = again + get 	get again, get back
guzzled (paragraph 4)	<ul style="list-style-type: none"> "guzzled another bottle of water" "no matter how fast I drank" 	drank quickly
parched (paragraph 14)	<ul style="list-style-type: none"> "My throat was parched" "I needed more water." 	very dry

Reconnect to the Text

Have students use 3-2-1 to recall the story: 3 people who are helping at the site, 2 things people do at the site, and 1 way Maddox helps.

Practice the Standard

Read the standard introduction aloud. Briefly review the **Word Learning Routine** with students, reminding them to use context clues and any background knowledge they have when figuring out the meanings of unfamiliar words.

Reread/Think

MODEL THE STANDARD Model the thinking process for finding meanings of unfamiliar words.

- Point out the allusion at the end of paragraph 2. **Say**, *When Maddox says, "It was an odyssey," I need to use context clues and background knowledge to understand what he means. I know that The Odyssey is an Ancient Greek story of a man named Odysseus who completes a dangerous ten-year journey. Next, I look around for context clues. I see that Maddox describes how difficult his walk to the site is. He also says it takes "hours and hours." Using all of this information, I can figure out that Maddox uses the word odyssey to show that his trip was long and difficult. However, we also know that Maddox exaggerates a lot, so he may be the only one who thinks the trip was a real "odyssey."*
- Fill in the first row of the chart.

GUIDE STANDARDS PRACTICE Have students complete the chart independently or in pairs.

- Remind students to use any background knowledge they have about word parts, related words, or words from other languages.
- Have students add to their word journals.
- Point out how the suffix -ed can change a word into a past-tense verb, as in *guzzled*, or into an adjective, as in *parched*. **EL**

The **Word Learning Routine** prompts students to look for familiar word parts and clues in the context of the text to determine the meaning of unfamiliar words or phrases.

2 Word Learning Routine

What: Students are prompted to use morphology (word parts), context clues, and resources such as dictionaries to determine the meaning of unfamiliar words. The routine is referred to at point of use during reading and is provided here in student-facing language that can be copied and displayed for reference.

Why: Students internalize word-learning strategies through repeated use and transfer those skills to other texts.

When: During all reading sessions (Sessions 1, 3, and 5)

How:

- Say the word or phrase aloud.** Circle the word or phrase that you find confusing. Read the sentence aloud.
- Look inside the word or phrase.** Look for familiar word parts, such as prefixes, suffixes, and root words. Try breaking the word into smaller parts. Can you figure out a meaning from the word parts you know?
- Look around the word or phrase.** Look for clues in the words or sentences around the word or phrase you don't know and the context of the paragraph.
- Look beyond the word or phrase.** Look for the meaning of the word or phrase in a dictionary, glossary, or thesaurus.
- Check the meaning.** Ask yourself, "Does this meaning make sense in the sentence?"

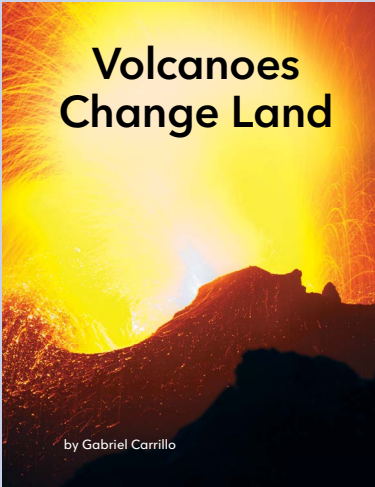
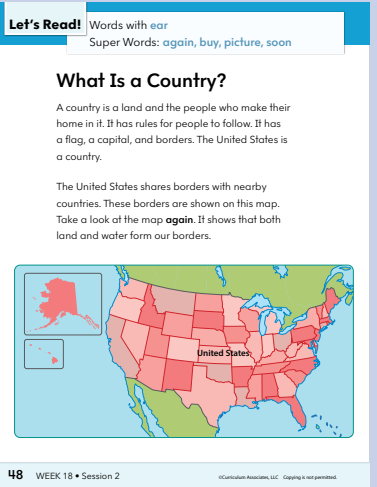
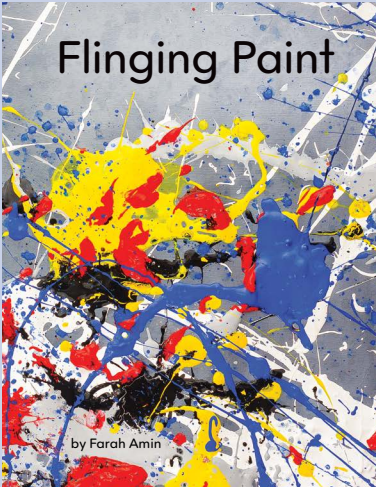
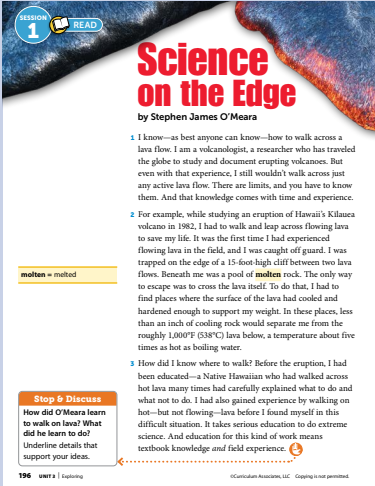
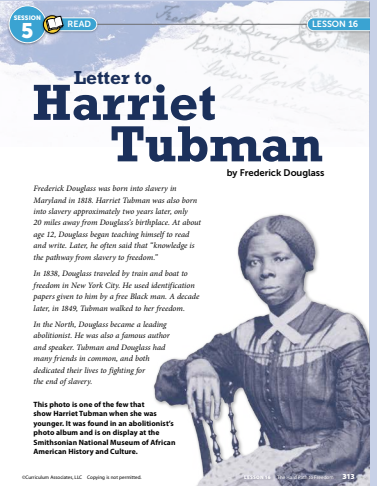

Active Self-Regulation

Motivation and Engagement


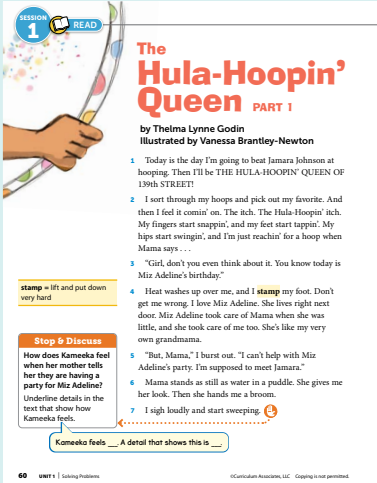
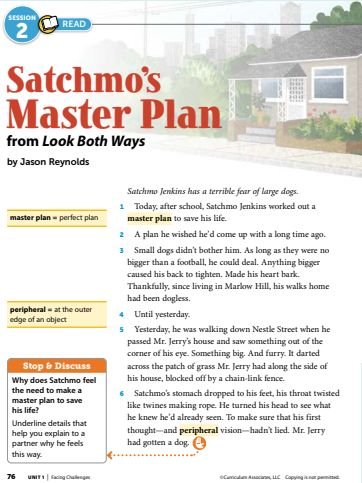
Research shows that implementing reading practices that foster engagement improves reading achievement (Guthrie & Klauda, 2014; McBreen & Savage, 2020). Engagement goes beyond recruiting student interest by providing motivation through creative, hands-on, meaningful instruction (CAST, 2020; Courey et al., 2012). *Magnetic Reading* K–5 fosters engagement with compelling text sets that connect every student to new worlds of grade-level reading. Students are motivated with creative, developmentally appropriate instructional strategies that intentionally help them build the skills they need to be successful at various stages in their reading journey.

Informational texts offer fresh perspectives on science, social studies, and the arts across Grades K–5.

Engaging Text Sets

	Science	Social Studies	The Arts
Magnetic Reading Foundations K–2	 <p>Volcanoes Change Land by Gabriel Carrillo</p>	 <p>Let's Read! Words with ear Super Words: again, buy, picture, soon</p> <p>What Is a Country?</p> <p>A country is a land and the people who make their home in it. It has rules for people to follow. It has a flag, a capital, and borders. The United States is a country.</p> <p>The United States shares borders with nearby countries. These borders are shown on this map. Take a look at the map again. It shows that both land and water form our borders.</p> <p>48 WEEK 18 • Session 2</p>	 <p>Flinging Paint by Farah Amin</p>
Magnetic Reading 3–5	 <p>Science on the Edge by Stephen James O'Meara</p> <p>1 I know—as best anyone can know—how to walk across a lava flow. I am a volcanologist, a researcher who has traveled the globe to study and document erupting volcanoes. But even with that experience, I still wouldn't walk across just any active lava flow. There are limits, and you have to know them. And that knowledge comes with time and experience.</p> <p>2 For example, while studying an eruption of Hawaii's Kilauea volcano in 1982, I had to walk and leap across flowing lava to save my life. It was the first time I had experienced flowing lava in the field, and I was caught off guard. I was trapped on the edge of a 15-foot-high cliff between two lava flows. Beneath me was a pool of molten rock. The only way to escape was to cross the surface of the lava had cooled and hardened enough to support my weight. In these places, less than an inch of cooling rock would separate me from the roughly 1,200°F (538°C) lava below, a temperature about five times as hot as boiling water.</p> <p>3 How did I know where to walk? Before the eruption, I had been educated—a Native Hawaiian who had walked across hot lava many times had carefully explained what to do and what not to do. I had also gained experience by walking on hot—but not flowing—lava before I found myself in this difficult situation. It takes serious education to do extreme science. And education for this kind of work means textbook knowledge and field experience.</p> <p>Stop & Discuss How did O'Meara learn to walk on lava? What did he learn to do? Underline details that support your ideas.</p> <p>196 WEEK 1 • Session 1</p>	 <p>Letter to Harriet Tubman by Frederick Douglass</p> <p>Frederick Douglass was born into slavery in Maryland in 1818. Harriet Tubman was also born into slavery approximately two years later, only 20 miles away from Douglass's birthplace. At about age 12, Douglass began teaching himself to read and write. Later, he often said that "knowledge is the pathway from slavery to freedom."</p> <p>In 1838, Douglass traveled by train and boat to freedom in New York City. He used identification papers given to him by a free Black man. A decade later, in 1849, Tubman walked to her freedom.</p> <p>In the North, Douglass became a leading abolitionist. He was also a famous author and speaker. Tubman and Douglass had many friends in common, and both dedicated their lives to fighting for the end of slavery.</p> <p>This photo is one of the few that show Harriet Tubman when she was younger. It was found in an abolitionist's photo album and is on display at the Smithsonian National Museum of African American History and Culture.</p> <p>413 WEEK 5 • Session 5</p>	 <p>Sea Creature Sculptures by Liz Huyck</p> <p>1 At the aquarium, people gather around a colorful fish sculpture. They take a closer look to see what it's made of. Are those bottle caps? A plastic shovel? A broken chair? Yes, the sculpture is made from plastic trash. And it all came from the ocean.</p> <p>2 The beautiful rainbow fish was made by Angela Haseltine Pozzi. Haseltine Pozzi likes to go for walks on the beach near her home in Oregon. But she's bothered by all the plastic trash that washes ashore. So she turns it into art.</p> <p>3 Haseltine Pozzi leads the Washed Ashore Project. The art project has two purposes to clean up beaches and to teach people about the problems of ocean plastic. Project volunteers collect plastic from the beach. They wash it and sort it by color. Then Haseltine Pozzi and a team of other artists make large sculptures with the plastic. They have created about 70 sculptures of creatures such as fish, an octopus, and a polar bear. The sculptures travel to zoos and aquariums around the world.</p> <p>ashore = onto the land volunteers = helpers</p> <p>The artist</p> <p>327 WEEK 18 • Session 2</p>

Literary texts focus on developmentally appropriate topics and themes that students will relate to and learn from. Some examples of topics and themes for each grade are listed below.

Magnetic Reading Foundations K-2	<h3>All about Me (Grade K)</h3> 	<h3>Friendship (Grade 1)</h3> 	<h3>Getting Along with Others (Grade 2)</h3> 
Magnetic Reading 3-5	<h3>Making Mistakes (Grade 3)</h3> 	<h3>Facing Your Fears (Grade 4)</h3> 	<h3>Building Empathy and Awareness (Grade 5)</h3> 

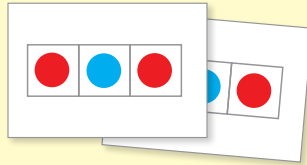
Instructional Strategies, *Magnetic Reading Foundations K–2*

Magnetic Reading Foundations K–2 goes beyond recruiting student interest by providing motivation through creative, hands-on, meaningful multimodal and multisensory instruction. *Magnetic Reading Foundations K–2* provides opportunities for students to engage in visual, kinesthetic, and tactical learning. This allows teachers to improve the quality of teaching by matching content delivery with the best mode of learning for each student.

SUPPORT LEARNER VARIABILITY: Options for Differentiation

Make It Visual

Use counters such as tiles, cubes, cards, or chips to visually represent each syllable, phoneme, onset, or rime.



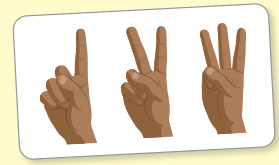
Attach Print

Adding print can be an effective scaffold for phonological awareness activities. Follow the routine, adding letters to index cards or Elkonin Boxes as you go.



Add Movement

Have children use their fists or fingers to represent each syllable or sound. For syllable or onset and rime tasks, use a fist to represent each part of the word. For phoneme-blending tasks, have children tap the sounds by bringing each finger to their thumb.



SUPPORT LEARNER VARIABILITY: Options for Differentiation

Make It Visual

Use cards! *Magnetic Reading Foundations* cards support all phonics lessons.

Sound-Spelling & Articulation (SS&A) Cards

Use the **Sound-Spelling Cards** to introduce and review sound-spellings. Point to the sound-spelling on the card, say the sound, and name the image that supports the sound.

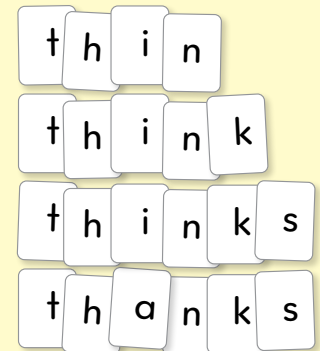
Use the **Articulation Cards** to support the proper formation of each sound. Use the image on the front of the card as a visual model as you share the articulation steps on the back of the card with children.

Word Building Cards

Use the Word Building Cards to support decoding and encoding lessons. Model building and blending words with the cards. Then have children use the cards to practice blending and building words.

EL English Learners

Have children use Elkonin Boxes to reinforce sound-spelling connections as they decode and encode words.



Instructional Strategies, *Magnetic Reading 3–5*

Magnetic Reading 3–5 provides teachers with strategies to intentionally leverage students' strengths toward a deeper engagement with learning. Protocols for engagement and accountability encourage varied forms of participation and engagement with the texts and with peers around the texts (Hollie, 2017).

Use Protocols That Meet the Needs of All Students

In order to increase engagement and validate cultural and linguistic behaviors, specific protocols are included in the lesson. To further customize activities for your students, consider optional protocols listed on pp. A46–A51.

PROTOCOL	SESSION	VALIDATES
Stand and Share	1	spontaneity, movement, connectedness
Silent Appointment	1	social interaction, nonverbal expression
Somebody Who	1, 2, 4, 5	social interaction
Give One, Get One	2, 4	movement, shared responsibility
Individual Think Time	3	independence
Pass It On	3, 4	spontaneity, connectedness
Shout Out	5	spontaneity, multiple ways to show focus
Merry-Go-Round Share	6	multiple ways to show focus, connectedness

Discuss the Whole Text

- Revisit the Focus Question. Have students **Raise a Hand** to answer the following questions:
 - Ask**, *What difficult situation does Oren face, and how does he get through it?*
 - Ask**, *How does Oren's family or culture help him in this story?*

- Ask students to describe artwork they have seen or created in their cultures of origin. Discuss how this art has told people's stories. **EL**

Discuss the Whole Text

- Revisit the Focus Question. Have students **Raise a Hand** to respond to the following.
 - Ask**, *What difficult situation did Stef face? What helped her get through her problem?*
 - Discuss the challenges that Stef and Oren face. Note that Oren is proud of his cultural heritage, while Stef is initially embarrassed by hers.

RESPONSE PROTOCOLS

Name	Time	Description	Cultural Behaviors
VOLUNTARY RESPONSE PROTOCOLS			
Raise a Hand	1–2 mins.	Students raise a hand or fist to volunteer information.	<ul style="list-style-type: none"> VA: verbal expressiveness BB: turn-taking
Shout Out	< 1 min.	Students <i>softly</i> shout out responses at the same time. This protocol can be used for one-word or very short answers. Posed questions can require either one correct answer or a variety of short answers.	<ul style="list-style-type: none"> VA: conversational overlap, spontaneity, verbal expressiveness, multiple ways to show focus
Stand and Share	1–2 mins.	When a student wants to share a response, they stand and share it. After sharing, they sit down.	<ul style="list-style-type: none"> VA: spontaneity, movement, subjectivity, connectedness

Comprehension Strategies

Research shows that comprehension strategies, such as asking questions while reading or visualizing the text, have a positive impact on reading ability (Samuelstuen & Bråten, 2005). *Magnetic Reading* 3–5 includes direct and explicit instruction in comprehension strategies and opportunities to apply those strategies to reading grade-level texts. Additional scaffolds are provided to support students as needed in developing independence with comprehension strategies.

SESSION 2 PRACTICE THE FOCUS STANDARD

Reconnect to the Text
Have students **Raise a Hand** to explain the mystery in “The Lost Medals.”

1 Introduce the Standard
Explain what it means to summarize a story. Point out that summarizing helps readers identify and remember the most important ideas from a text.

2 Reread/Think
MODEL THE STANDARD Point out that students used key details to review the story at the beginning of this session. Now they will use these details and others to summarize this text.

• **Say**, When you summarize a story, you retell it in such a way that someone who hasn’t read the story would understand what happens. To determine which details are key details, we need to think about what the most important events are in the beginning, middle, and end of the story.

• Reread paragraph 1. **Ask**, Are the characters important for understanding the story? **Yes**. Where do their names go in the chart? **in the part labeled “Characters”** Reread paragraph 2. **Ask**, Is the detail about the comic books important for understanding the story events? **No**. Should it go in the chart? **No**.

GUIDE STANDARDS PRACTICE Have students reread paragraphs 3–5 and add key details to the chart. Guide them to write their notes in the Beginning column of the chart.

• Have students **Raise a Hand** to share what they have in their chart so far.

• Ask students to use their own words to explain how to tell whether or not a detail belongs in the chart. **EL**

• Have students complete the chart for the rest of the text on their own.

SESSION 2 PRACTICE

1 Summarize a Story

- When you **summarize**, you retell the most important parts of a story in your own words.
- Key details** are important pieces of information you must include in a summary so that a person reading your summary can understand the story.

2 Reread/Think

Reread “The Lost Medals.” First, write the names of the characters and the settings of the story in the chart. Then, write key details from each part of the story.

Characters	Settings
<ul style="list-style-type: none"> Antonio Javier Mr. Garcia 	<ul style="list-style-type: none"> yard sale media center community center

Beginning (Problem Introduced)	Middle (Actions to Solve Problem)	End (Problem Solved)
<ul style="list-style-type: none"> Antonio and Javier buy a cazuelo at a yard sale. They find two medals and an old recipe inside. Who do the medals and recipe belong to? 	<ul style="list-style-type: none"> They polish the medals and read the words. They use clues from the medals to do research. They find out that Rafael Garcia won the medals and lives nearby. 	<ul style="list-style-type: none"> They go to the community center and meet Mr. Garcia. They give him his medals and recipe back. He is very happy to have them back.

3 Talk

Tell your partner why you included each key detail in the Beginning, Middle, and End sections of your chart. Decide with your partner whether you should add or take out any details.

In the beginning, ____

In the middle, ____

In the end, ____

I included this detail because ____

I did not include this detail because ____

4 Write

Use the information from your chart to summarize “The Lost Medals.” Include key details from the story in your summary.

In the Beginning *Sample response: Antonio and his brother Javier buy a cazuelo at a yard sale. When they get home and take off the lid, they find two old medals and a recipe inside.*

In the Middle *The boys polish the medals and find clues about who the medals might belong to. They go to the media center and use their clues to do research. They think the medals might belong to Rafael Garcia, and they find out that he lives nearby.*

In the End *Antonio and Javier go to the community center and find Mr. Garcia. They show him the medals and the recipe. He is so happy to get them back after losing them years ago. He thanks the boys for bringing him priceless memories.*

WRITING CHECKLIST

- ☐ I included the names of important characters.
- ☐ I included the settings.
- ☐ I included the problem that had to be solved.
- ☐ I told how the problem was solved.
- ☐ I used correct spelling, punctuation, and capitalization.

LESSON 1

3 Talk

- Have students **Turn and Talk** with a partner to complete the Talk activity.
- Provide additional sentence frames to help students discuss their charts:
 - This detail is a key detail because ____.
 - This detail is not a key detail because ____.
- LISTEN FOR** Students revise their charts, adding key details and removing unnecessary details. Use **Help & Go** scaffolds as needed. **EL**

HELP & GO: Standards Practice

- Prompt students to use the headers of each column to help them decide whether their details are key details. **Say**, The key details are the steps to solve the problem. Look at your detail. Is it an important step in solving the problem?
- When students identify different details, encourage them to tell their partner more about why they did or did not include the detail. Then have them decide as a team whether the detail is a key detail.

4 Write

- Have students complete the Write task, using the checklist to check their work.
- Consider completing the activity as a shared writing activity. Have students refer to the details in their charts to help them write their summaries. **EL**
- Use written responses to determine whether students need additional support. **EL**
- Use **Musical Shares** to allow all students to share their summaries with several students.
- Have one or two students **Stand and Share** their writing with the whole class.

2 Reread/Think

MODEL THE STANDARD Point out that students used key details to review the story at the beginning of this session. Now they will use these details and others to summarize this text.

- **Say**, When you summarize a story, you retell it in such a way that someone who hasn’t read the story would understand what happens. To determine which details are key details, we need to think about what the most important events are in the beginning, middle, and end of the story.
- Reread paragraph 1. **Ask**, Are the characters important for understanding the story? **Yes**. Where do their names go in the chart? **in the part labeled “Characters”** Reread paragraph 2. **Ask**, Is the detail about the comic books important for understanding the story events? **No**. Should it go in the chart? **No**.

Detailed teacher modeling is provided to support students in applying comprehension strategies to skills and standards.

HELP & GO: Standards Practice

- Prompt students to use the headers of each column to help them decide whether their details are key details. **Say**, The key details are the steps to solve the problem. Look at your detail. Is it an important step in solving the problem?
- When students identify different details, encourage them to tell their partner more about why they did or did not include the detail. Then have them decide as a team whether the detail is a key detail.

Help & Go scaffolds for Standards Practice can be used flexibly and as needed. These scaffolds provide an additional layer of support for students who are developing independence with comprehension strategies.

Conclusion

Magnetic Reading K–5 provides teachers an intuitive, systematic resource to move students from foundational skills to reading fluency, from learning to read to reading to learn while building knowledge and vocabulary along the way. *Magnetic Reading K–5* connects every student to new worlds of grade-level reading with engaging fiction and nonfiction text. Research-based scaffolding supports ensure all students gain access to grade-level content that is appropriate for their age and interests.

References

- Bell, Y. R., & Clark, T. R. (1998). Culturally relevant reading material as related to comprehension and recall in African American children. *Journal of Black Psychology*, 24(4), 455–475. <https://doi.org/10.1177/00957984980244004>.
- Blevins, W. (2017). *Phonics from A to Z: A practical guide* (3rd ed.). Teaching Resources.
- CAST. (2020). UDL guidelines. CAST. <https://udlguidelines.cast.org>.
- Courey, S., Tappe, P., Siker, J., & LePage, P. (2012). Improved lesson planning with Universal Design for Learning (UDL). *Teacher Education and Special Education: The Journal of the Teacher Education Division of the Council for Exceptional Children*, 36(1), 7–27. <https://doi.org/10.1177/0888406412446178>.
- Davidson, B., & Liben, D. (2019). What a knowledge-building approach looks like in the classroom. *Perspectives on Language and Literacy*, 45(4), 31–35. <https://dyslexialibrary.org/wp-content/uploads/file-manager/public/1/Barbara%20Davidson%20and%20David%20Liben.pdf>.
- Duke, N. K., & Cartwright, K. B. (2021). The science of reading progresses: Communicating advances beyond the simple view of reading. *Reading Research Quarterly*, 56(S1), S25–S44. <https://doi.org/10.1002/rrq.411>.
- Ehri, L. C. (2020). The science of learning to read words: A case for systematic phonics instruction. *Reading Research Quarterly*, 55(S1), S45–S60. <https://doi.org/10.1002/rrq.334>.
- Ehri, L. C., & Roberts, K. T. (1979). Do beginners learn printed words better in contexts or in isolation?. *Child Development*, 50(3), 675–685. <https://www.jstor.org/stable/1128932>.
- Ehri, L. C., Satlow, E., & Gaskins, I. (2009). Grapho-phonemic enrichment strengthens keyword analogy instruction for struggling young readers. *Reading & Writing Quarterly*, 25(2-3), 162–191. <https://doi.org/10.1080/10573560802683549>.
- Ehri, L. C., & Sweet, J. (1991). Fingerprint-reading of memorized text: What enables beginners to process the print? *Reading Research Quarterly*, 26(4), 442–462. <https://doi.org/10.2307/747897>.
- Goldenberg, C. (2020). Reading wars, reading science, and English learners. *Reading Research Quarterly*, 55(S1), S131–S144. <https://doi.org/10.1002/rrq.340>.
- Guthrie, J. T., & Klauda, S. L. (2014). Effects of classroom practices on reading comprehension, engagement, and motivations for adolescents. *Reading Research Quarterly*, 49(4), 387–416. <https://doi.org/10.1002/rrq.81>.
- Guthrie, J. T., & Seifert, M. (1977). Letter–sound complexity in learning to identify words. *Journal of Educational Psychology*, 69(6), 686–696. <https://doi.org/10.1037/0022-0663.69.6.686>.
- Hirsch, E. D. (2006). Building knowledge: The case for bringing content into the language arts block and for a knowledge rich curriculum core for all children. *American Educator*, 30(1), 8–18. <https://www.aft.org/periodical/american-educator/spring-2006/building-knowledge>.
- Hollie, S. (2017). *Culturally and linguistically responsive teaching and learning: classroom practices for student success*. Shell Education.
- Knowledge Matters Campaign. (2021). *Knowledge Matters Campaign: Restoring wonder and excitement to the classroom*. Knowledge Matters Campaign.
- Kuhn, M. R., Schwanenflugel, P. J., & Meisinger, E. B. (2010). Aligning theory and assessment of reading fluency: Automaticity, prosody, and definitions of fluency. *Reading Research Quarterly*, 45(2), 230–251. <https://doi.org/10.1598/RRQ.45.2.4>
- Martinez, G. (2021). *Four personalized learning essentials*. Curriculum Associates. <https://www.curriculumassociates.com/blog/personalized-learning-programs>.
- McBreen, M., & Savage, R. (2020). The impact of motivational reading instruction on the reading achievement and motivation of students: A systematic review and meta-analysis. *Educational Psychology Review*, 33, 1125–1163. <https://doi.org/10.1007/s10648-020-09584-4>.

- Mesmer, H. A. (2019). *Letter lessons and first words: Phonics foundations that work*. Heinemann.
- Miles, K. P., & Ehri, L. C. (2019). Orthographic mapping facilitates sight word memory and vocabulary learning. In D. Kilpatrick, R. Joshi, & R. Wagner (Eds.), *Reading development and difficulties* (pp. 63–82). Springer.
- Muter, V., Hulme, C., Snowling, M., & Taylor, S. (1997). Segmentation, not rhyming, predicts early progress in learning to read. *Journal of Experimental Child Psychology*, 65(3), 370–396. <https://doi.org/10.1006/jecp.1996.2365>.
- Nation, K. (2019). Children's reading difficulties, language, and reflections on the simple view of reading. *Australian Journal of Learning Difficulties*, 24(1), 47–73. <https://doi.org/10.1080/19404158.2019.1609272>.
- National Reading Panel. (2000). *Report of the National Reading Panel: Teaching children to read: An evidence-based assessment of the scientific research literature on reading and its implications for reading instruction*. National Institutes of Health. <https://www.nichd.nih.gov/publications/pubs/nrp/smallbook>.
- Petscher, Y., Cabell, S. Q., Catts, H. W., Compton, D. L., Foorman, B. R., Hart, S. A., Lonigan, C. J., Phillips, B. M., Schatschneider, C., Steacy, L. M., Terry, N. P., & Wagner, R. K. (2020). How the science of reading informs 21st-century education. *Reading Research Quarterly*, 55(S1), S267–S282. <https://doi.org/10.1002/rrq.352>.
- Pikulski, J. J., & Chard, D. J. (2005). Fluency: Bridge between decoding and reading comprehension. *The Reading Teacher*, 58(6), 510–519. <https://doi.org/10.1598/RT.58.6.2>
- Pirani-McGurl, C. A. (2009). *The use of item response theory in developing a phonics diagnostic inventory*. University of Massachusetts Amherst. <https://doi.org/10.7275/a319-gj20>.
- Reutzel, D. R. (2015). Early literacy research: Findings primary-grade teachers will want to know. *The Reading Teacher*, 69(1), 14–24. <https://doi.org/10.1002/trtr.1387>.
- Samuelstuen, M. S., & Bråten, I. (2005). Decoding, knowledge, and strategies in comprehension of expository text. *Scandinavian Journal of Psychology*, 46(2), 107–117. <https://doi.org/10.1111/j.1467-9450.2005.00441.x>.
- Shanahan, T. (2019). Why children should be taught to read with more challenging texts. *Perspectives on Language and Literacy*, 45(4), 17–23. <http://digitaleditions.sheridan.com/publication/?m=13959&i=644729&p=16&ver=html5>.
- Sorenson Duncan, T., Mimeau, C., Crowell, N., & Deacon, S. H. (2021). Not all sentences are created equal: Evaluating the relation between children's understanding of basic and difficult sentences and their reading comprehension. *Journal of Educational Psychology*, 113(2), 268–278. <https://doi.org/10.1037/edu0000545>.
- Steiner, D., & Magee, J. (2019). *The problem with "finding the main idea."* Learning First. <https://learningfirst.com/wp-content/uploads/2019/01/The-problem-with-finding-the-main-idea-1.pdf>.
- Steiner, D., Magee, J., & Jensen, B. (2018). What we teach matters: How quality curriculum improves student outcomes. Learning First. <https://learningfirst.com/wp-content/uploads/2018/11/What-we-teach-matters-FINAL-for-publication-15-Nov.pdf>.
- Wexler, N. (2020). *The knowledge gap: The hidden cause of America's broken education system—and how to fix it*. Avery.
- Willingham, D. & Lovette, G. (2014). *Can reading comprehension be taught?* Teachers College Record. http://www.danielwillingham.com/uploads/5/0/0/7/5007325/willingham&lovette_2014_can_reading_comprehension_be_taught_.pdf.
- Yopp, H. K., & Yopp, R. H. (2000). Supporting phonemic awareness development in the classroom. *The Reading Teacher*, 54(2), 130–143. <http://www.jstor.org/stable/20204888>.

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