

# Improving Literacy Brief

---

## The Alphabetic Principle: Linking Sounds to Letters

An early skill in learning to read has as much to do with hearing how words sound as it does with seeing how words are written. Phonological awareness involves being able to recognize and manipulate the sounds within words. An example of phonological awareness is hearing in your mind the word created by replacing the first sound in “fish” with the first sound in “day,” to make the word, “dish.”

---

Phonological awareness is a foundation for understanding the alphabetic principle and reading success.

It is not a coincidence that the individual sounds in words map onto the letters of the alphabet. This mapping is a key part of the role phonological awareness plays in learning to read. However, being able to identify the sounds in words is not as easy as it seems. Many students enter kindergarten already knowing a lot about how the sounds in words map onto letters, but some students do not. For example, students with dyslexia often have more difficulty hearing the sounds in words and mapping them onto letters than other students. For students with dyslexia, high-quality instruction and intervention to develop phonological awareness skills is critical.

Learning to identify the sounds in words through instruction happens best when the sounds are explicitly connected to the letters they represent. This mapping is the essence of the *alphabetic principle*. When this mapping is well developed, it allows readers to accurately read, or decode, about 70% of the single-syllable words they will encounter in text. In addition, when readers encounter a word in print for the first time, and understand the alphabetic principle, the odds are very good they will read the word correctly.

***THERE ARE SEVERAL WAYS TO EFFECTIVELY TEACH PHONOLOGICAL AWARENESS TO PREPARE EARLY READERS:***



The research reported here is funded by a grant to the National Center on Improving Literacy from the Office of Elementary and Secondary Education, in partnership with the Office of Special Education Programs (Award #: S283D160003). The opinions expressed are those of the authors and do not represent views or policies of OESE, OSEP, or the U.S. Department of Education. You should not assume endorsement by the Federal government. ©National Center on Improving Literacy. [improvingliteracy.org](http://improvingliteracy.org) | [facebook.com/improvingliteracy](https://facebook.com/improvingliteracy)

---

# The Alphabetic Principle: Linking Sounds to Letters

## TEACH STUDENTS TO RECOGNIZE AND MANIPULATE THE SOUNDS OF SPEECH

Teachers should show and teach students how to break down units of speech into smaller units. For example, an excellent instructional sequence that helps students learn to hear the sounds of speech involves progressing from easier activities to those that are more difficult. Teachers can show students how to identify

- **words** within sentences,
- **syllables** within words,
- the first and last sounds within words (**onset** and **rime**, respectively),
- and finally, all of the individual sounds in a word (**phonemes**).

## TEACH STUDENTS LETTER-SOUND RELATIONS

Teachers should demonstrate and teach students letter-sound relations they will first encounter in print, such as consonants and short vowels.

- Teach these letter-sounds in the context of words where letters represent their most common sound (*e.g., teaching “a” in “bat” vs. “was”*).
- More complex letter-sound relations should be taught next, such those in consonant blends (*e.g., “sp”*), consonant digraphs (*e.g., “sh”*), and other predictable but more complex patterns (*e.g., vowel digraphs such as “oa” in “boat”; words with long vowels and a silent e, such as in the word, “like”*).

A STRONG INSTRUCTIONAL SEQUENCE MIGHT LOOK SOMETHING LIKE THIS:

- The teacher says the name of the letter and introduces the symbol for the letter (*show the letter “b”*).
- Then, the teacher gives students a picture that represents the sound (*e.g., a “bat”*) with a brief backstory as an anchor or memory aid.
- Finally, students can practice demonstrating their letter-sound understanding by identifying the sound and writing the letter in various contexts.

Good early literacy instruction also provides opportunities for students to review recently taught letter-sound relations over time, so that students can better remember and more fluently identify and produce them.

---

# The Alphabetic Principle: Linking Sounds to Letters

## TEACH STUDENTS TO MANIPULATE LETTER-SOUNDS IN PRINT USING WORD-BUILDING ACTIVITIES

Teachers should also encourage students to connect their knowledge of how to manipulate sounds in spoken language with their knowledge of letter-sound relations.

- Students can be taught to apply their knowledge of sounds to form words in print through an activity that uses letters on tiles or magnets that are easily manipulated to build or change words.
- After practicing with the teacher, students can work and practice on their own or with a partner, adding and substituting sounds and building harder words, such as those with a silent *e*.

This type of activity helps students understand how to spell and read words using their awareness of the sounds in language and the letter-sound relations they have been taught.

### SUGGESTED CITATION

National Center on Improving Literacy. (2018). *The Alphabetic Principle: Linking Sounds to Letters*. <https://www.improvingliteracy.org/resource/alphabetic-principle-linking-sounds-to-letters>

### REFERENCES

Foorman, B., Beyler, N., Borradaile, K., Coyne, M., Denton, C. A., Dimino, J., Furgeson, J., Hayes, L., Henke, J., Justice, L., Keating, B., Lewis, W., Sattar, S., Streke, A., Wagner, R., & Wissel, S. (2016). Foundational skills to support reading for understanding in kindergarten through 3rd grade (NCEE 2016-4008). National Center for Education Evaluation and Regional Assistance, Institute of Education Sciences, U.S. Department of Education. <https://whatworks.ed.gov>

Smith, S. B., Simmons, D. C., & Kame'enui, E. J. (1998). Phonological awareness: Instructional and curricular basics and implications. In E. J. Kame'enui & D. C. Simmons (Eds.), *What reading research tells us about children with diverse learning needs: Bases and basics* (pp. 129–140). Lawrence Erlbaum Associates.

## HOW-TO

# The Alphabetic Principle: Linking Sounds to Letters

Phonological awareness is the ability to recognize that spoken words are made up of individual sound parts. Here are 3 ways to effectively teach phonological awareness to early readers:

### 1. Teach How to Identify, Recognize and Manipulate the Sounds of Speech

- Individual words in a sentence.
- Syllables within words.
- First and last sounds of words.
- All of the individual sounds within words.



### 2. Teach Letter-Sound Relations

- First teach the sound of the letter; then introduce the letter symbol for that sound.
- Use pictures that represent the target sound.
- Have children practice by identifying the sound and writing the letter.



### 3. Teach Letter-Sounds in Print

Use word-building activities to:

- Manipulate letter tiles or magnets to show how to build and change words.
- Have children practice spelling and reading words using the letter-sound relations they have been taught.



For more information, visit [improvingliteracy.org](https://improvingliteracy.org).