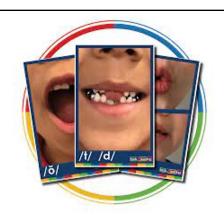
Transitioning from Word Walls to Sound Walls

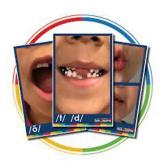


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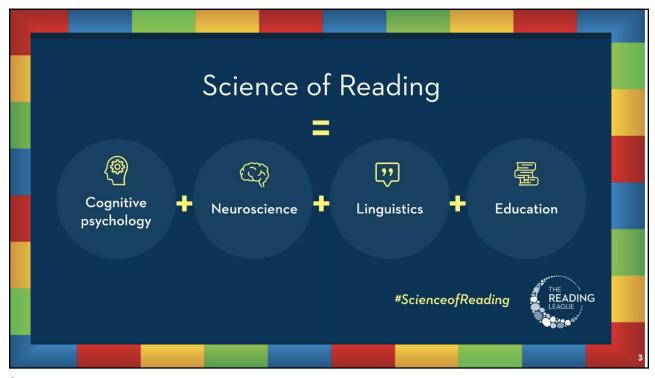
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The Science of Sound Walls



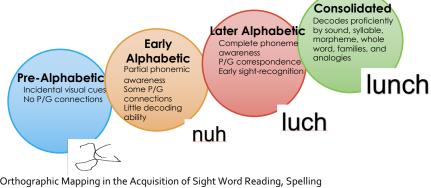
The Learning to Read Challenge

- Learning to read is not natural.
- Our writing system adds another layer of complexity to an already not natural task.
 - 44 Phonemes (speech sounds)
 - 26 Letters
 - 250+ ways of representing speech sound
- Reading is a complex multifaceted skill that requires years of instruction and practice.

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Ehri's Phases of Word Reading Development

 Sound walls are a tool for moving students from prealphabetic to later alphabetic phase.



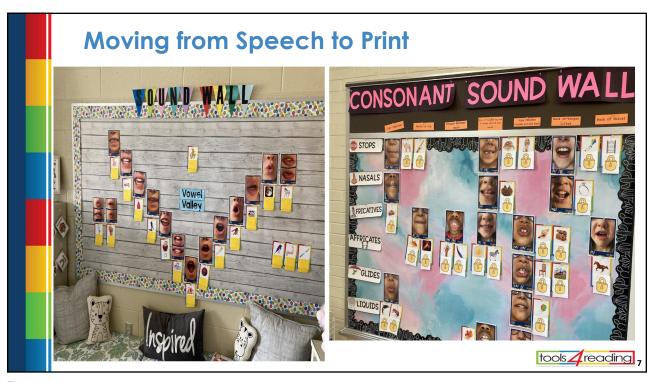
(Source: Orthographic Mapping in the Acquisition of Sight Word Reading, Spelling Memory, and Vocabulary Learning Ehri, 2014)

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"There is reason to believe that sounds processed by the ear are less central than articulatory gestures produced by mouth movements in saying words. According to the motor theory of speech perception (Liberman, 1999), articulatory gestures rather than acoustic features represent phonemes in the brain. Also, ease of processing favors gestures. Whereas sounds are ephemeral and disappear as soon as they are heard, mouth positions are tangible and can be felt, viewed in a mirror, and analyzed by learners." Ehri, 2015











Sound Walls...

- help students perceive and produce all 44 English phonemes.
- make the phoneme-grapheme connection clear.
- can be used as a scaffold when students get confused with their speech, reading, and writing.
- are a resource for English Learners.
- give teachers insight into how their students are processing language.

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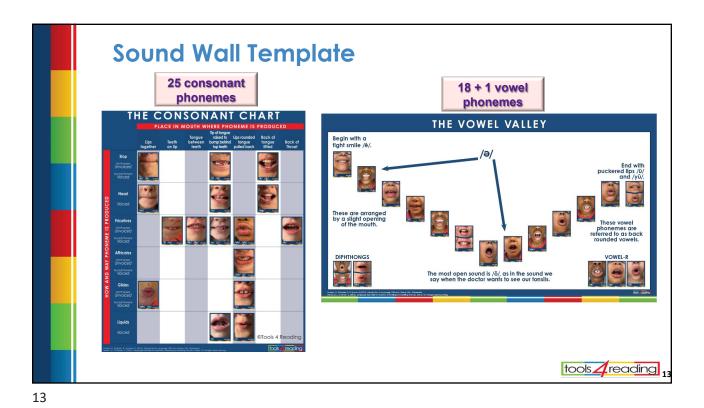
11

A Focus on Phonemes

- Spoken word recognition, pronunciation, and interpretation depend on accurately processing phonemes.
- Proficient reading and spelling are strongly associated with the ability to <u>identify</u>, <u>remember</u>, <u>separate</u>, <u>combine</u>, <u>and manipulate phonemes</u>, and to do so rapidly and without effort. THIS IS PHONEMIC PROFICIENCY!

(Source: Speech to Print, 2020)

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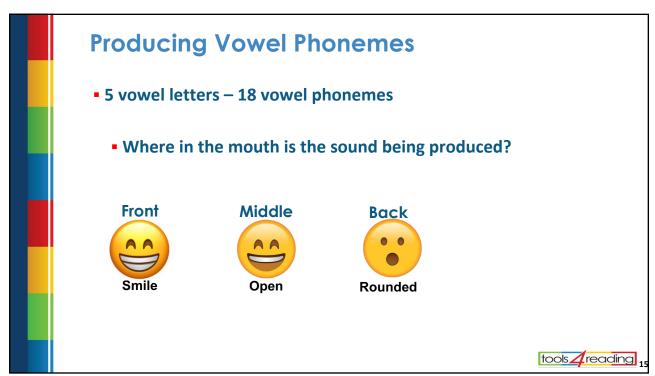


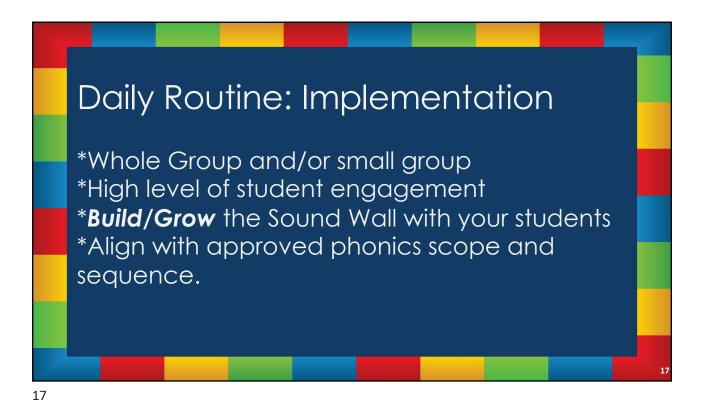
Our Speech Sounds – Consonant Phonemes

- Place of Articulation
 - Where in the mouth the sound originates
- Manner of Articulation
 - What we do with our breath and our vocal cords
 - This is important to explain and review consistently with your students.
 - Do not be afraid to use the terms on the left-hand side of the consonant chart.



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Phonemes First! The /sh/ does not exist in Spanish phonology.
Provide as many opportunities for students to hear and produce the /sh/ in words. such as shift, shoe, shallow, shook, push, fish, flush, harsh, crush, cushion, machine, Consonant Phoneme/sh/ Keyword: shell LDC: Today, we will be learning about the /sh/ as in shell. Here is how we make this sound, watch me. I'm going to bring my top and bottom teeth close together and shape my lips in a wide circle, so that I can see my front teeth. ound features: The sound is produced in the middle of the mouth The roof of the mouth is known as the palate, It's a bony, hard structure that is the front part of the roof of the mouth. If you looking in the mirror. structure that is the four four in the tool of the mount in you take the tip of your tongue, and run it over the hard palate, you can feel winkles across its surface.

Remember that the advector ridge is the bump that's behind the upper front teeth. LDO: Now, I'm going to gently force some air through this very fight spot wher meet. If I place my hand in front of my mouth, I will barely feel the air co my mouth. But, I can sure hear it. Keep blowing until you run out of air. But, do NO turn on your voice box.

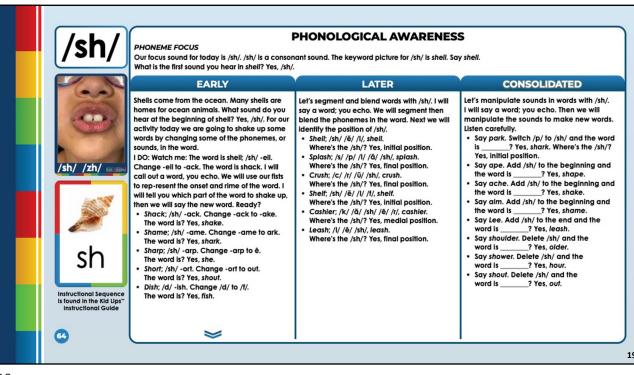
- Fun Fact: You can share with your students that the /sh/ sound is like the sound Palatal: When saying the /sh/, the air gets blocked by the tongue around the hard and gesture (placing your finger in front of your lips) that you make when you want someone to be quiet. Unvoiced: The /sh/ as in shell is produced without activating your voice box, the vocal Continuant: The /sh/ can be made until you run out of breath WE DO; Let's try it together. Make certain students have correct placement, are looking in the mirror, and are not activating their voice box
YOU DO: Now, you show me how to make the sound.

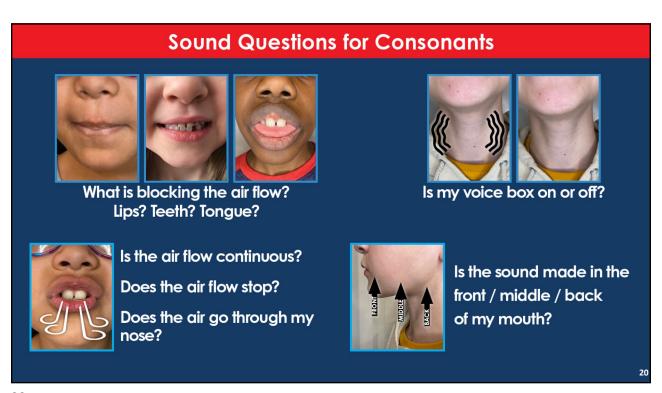
- What happened with your lips? 2. Have students look in a mirror while producing the /sh/ and also have them feel that there is no vibration when they place their fingers lightly on their throat. What happened with your voice box?
 Is the airflow stopping or continuing? that there is no virotion when they place their thingers lightly on their throat.

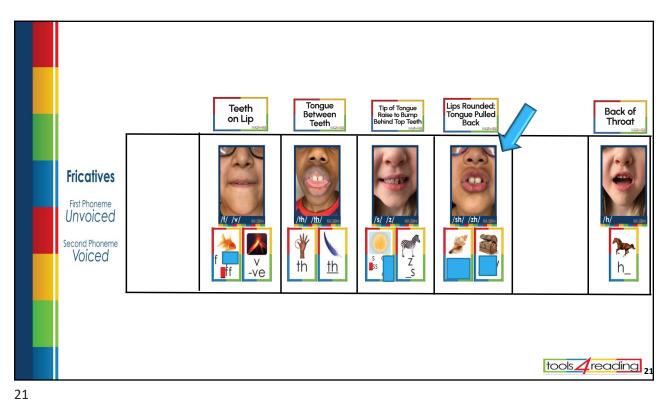
S. Students whose native language is either Spanish or Canthonses have never heard nor produced a /sh/, Therefore, provide as many opportunities for students to hear the /sh/ in words; such as shell, shop, shark, shirt, shovel, shake, shy, shelf.

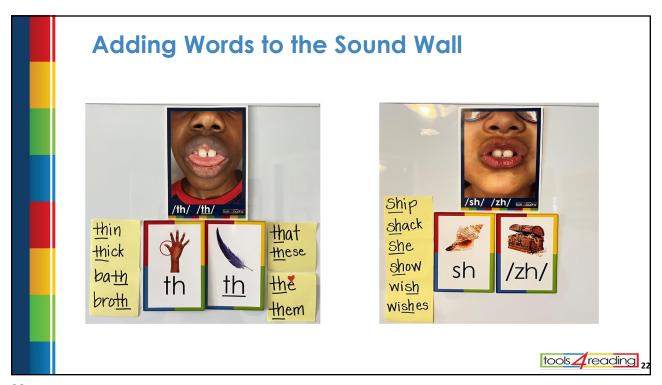
a. Students whose native language is either Vietnamese, throng, or Korean have the /sh// as part of their phonology, but the symbol that represents the /sh// cannot transfer to English.

4.8e careful. Students can confuse the articulation of the /sh/ as in shelf with the /sh// see in the needled cannot be every new the initiate round in society. Now, tell me where the /sh/ is in these words, is it at the beginning, at the end or in the middle of the word? Say one word at a time waiting for students to respond before saving the next word. brush, fish, dish, wash as in the medial sound in measure or the initial sound in genre a. These two sounds look the same when producing them, but the only difference is that the /sh/ is an unvoiced sound (no activation of the voice difference is that the /sh/ is an unvoiced sound (no activation of the voice box), while the /sh/ is a voiced sound (activation of the voice box). Because the /sh/ and /zh/ sound and look the same, make sure to have students contrast the /sh/ voiced sound with the /sh/ unvoiced by saying the two sounds with their hands over their ears. The voiced /zh/ will cause a resonating in the ears, and the /sh/ will be quiet. tools 1 reading

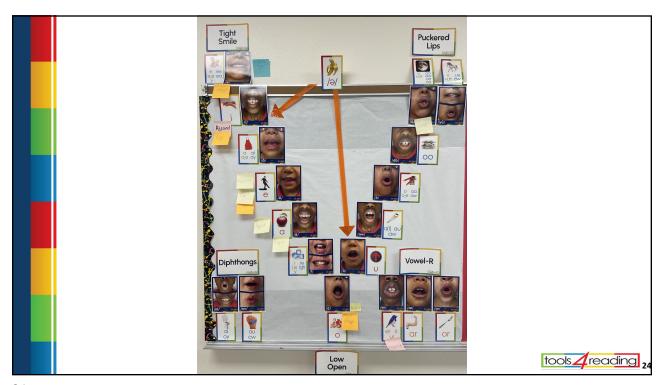


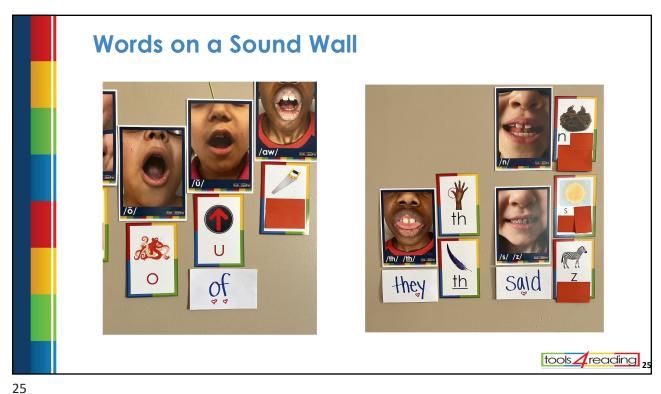


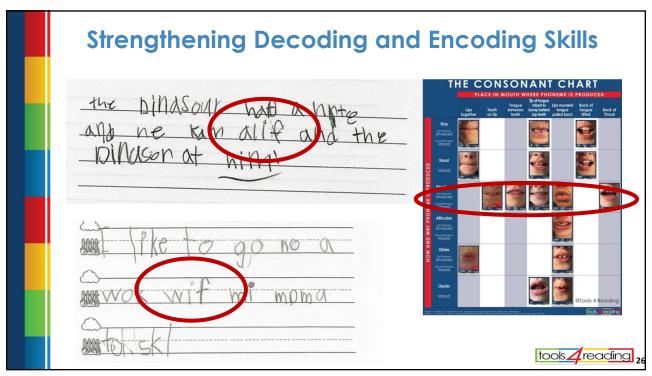


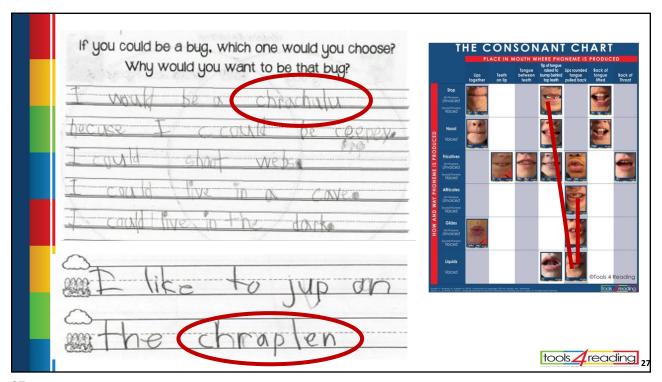


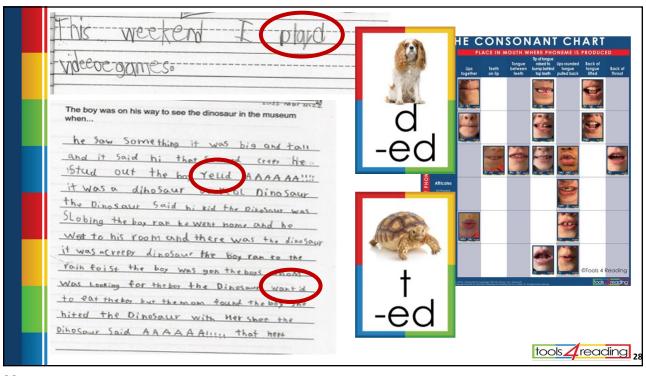




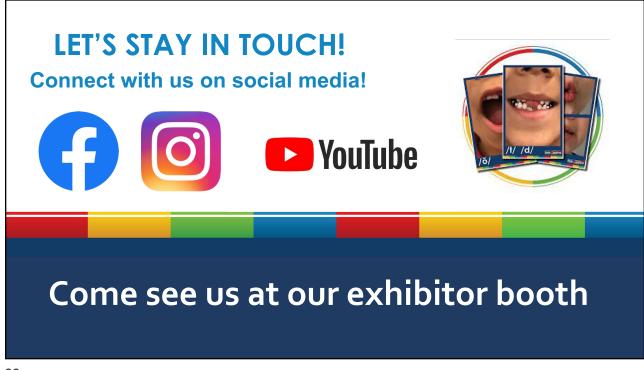




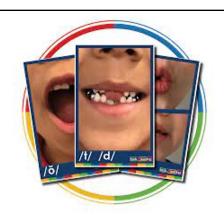








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