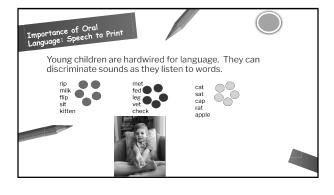
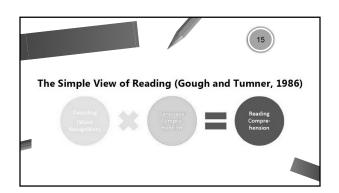


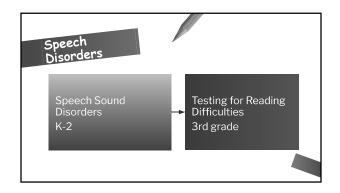
Young children are not hardwired for print (symbols, writing, reading)

begins with speech sounds: phonemic awareness ("the ability to segment words into their component sounds, which are called phonemes" and connect speech sounds to spelling patterns).

a speech-to-print approach begins with hearing the word, isolating the sounds within the word (phonemic awareness), learning the relationship between the sounds and letters (sound-symbol association), and manipulating the sounds and letters sequentially in order to read and spell new words. (Sandie Barrie Blackley- Lexercise)

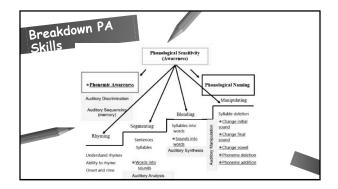






Reflection

- What speech sound errors do you see mostly with young children?
- 2. What phonological processing errors do you see mostly?



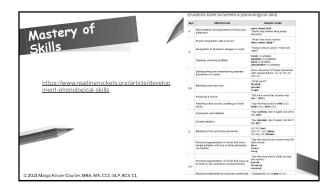
Phonology and

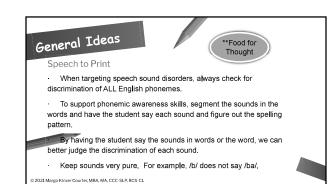
- Numerous studies have documented that children with SSD are more likely to display lower performance on measures of reading and spelling than are children with typical speech abilities (Bishop & Adams, 1990; Catts, 1993; Peterson, Pennington, Shriberg, & Boada, 2009)
- 2. Speech production is heavily reliant on an intact phonological system.

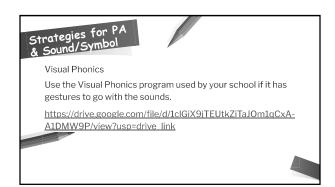
- 3. Children with speech sound disorder have shown deficits for a variety of other phonological tasks, including phonological awareness (Bird, Bishop, & Freeman, 1995; Carroll & Snowling, 2004; Preston, Hull, & Edwards, 2013; Ryachew & Grawburg, 2006).
- phonological memory (Couture & McCauley, 2000; Farquharson, Hogan, & Bernthal, 2017; Munson, Edwards, & Beckman, 2005),
- snelling (Bird et al., 1995; Carroll & Snowling, 2004; Clarke-Klein & Hodson, 1995), and word reading itself (Apel & Lawrence, 2011; Overby, Trainin, Smit, Bernthal, &

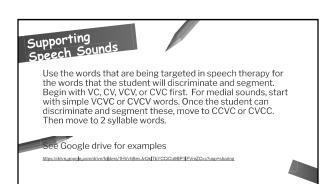
4. <u>Kirk and Gillon (2007)</u> provided an integrated speech, phonemic awareness, and letter knowledge intervention approach to children with SSD. They found that children who received an intervention that facilitated phonemic awareness and letter knowledge in addition to speech production outperformed children who received an intervention for speech sound production alone.

- 5. Children whose speech production problems persist until age 6; 9 perform worse on tests of reading, spelling, and phonological awareness than controls matched for age and performance IQ (Nathan et al., 2004).
- Studies indicate that at age 4, children with speech delay are at higher risk for impaired phonological awareness skills

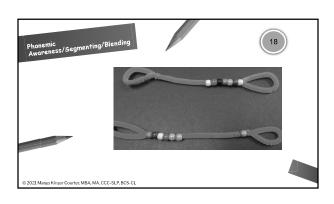


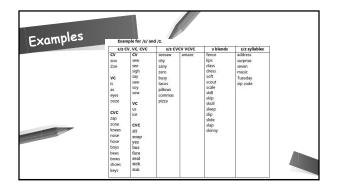


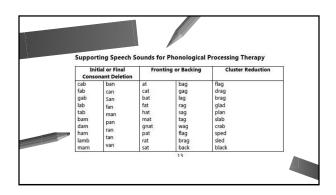








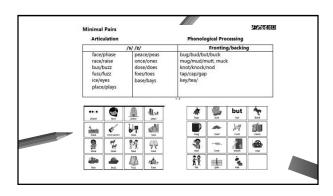


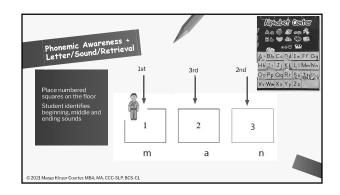


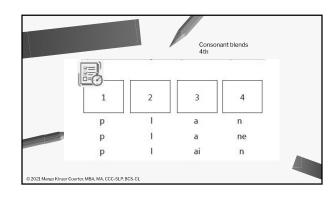
Minimal Pairs

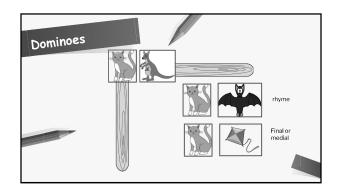


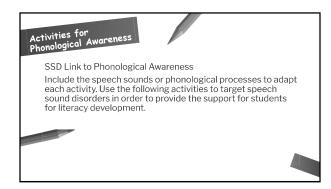
- · A phoneme pair such as the /f/ and voiceless /th/ are articulated in similar (yet different) ways, and so they sound similar, but they are, in fact, acoustically different.
- \cdot These sound pairs are more difficult to distinguish than other sound pairs because the way they are spoken (articulated).
- · They should be perceived and recognized by listeners as two different phonemes, even in the absence of visual cues, i.e., by listening alone" (Wasowicz, J. via SPELLTalk, On Dec 22, 2020).

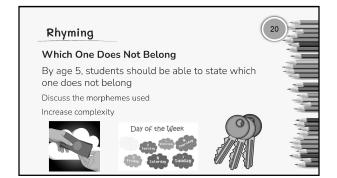


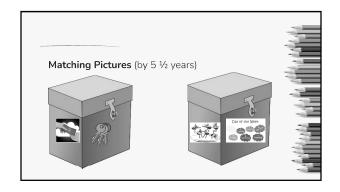


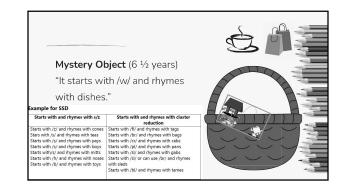


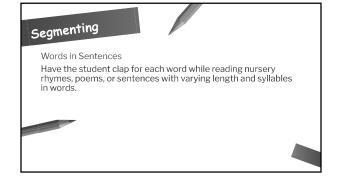












Segmenting

Syllables in Words

By age 5, students should be able to count syllables in words. Clap out syllables moving from left to right across body.

- a. Begin with 2 syllable words.
- b. Move to 3 syllable words.
- Then, try one syllable words.
- Move to 4 syllable words.

Segmenting

Sounds in Words

By age 6, segment words with two to three phonemes without

By $6\frac{1}{2}$, segment words that have 3-4 phonemes including blends.

- 1. Begin with continuant sounds which include fricatives (f, v, s, z, sh, zh, h, and the two /th/ sounds -ð, \square .), nasals (m, n, ŋ), liquids (l, r),
- Then, introduce a few stop sounds (p, b, d, t, k, g) that students articulate. Make sure these sounds stay pure. (/b/ does not say /ba/.)

For SSD

- Begin with continuant sounds even if you are targeting stops. This will support students in understanding
- segmenting.
 Then move to words that contain the sounds you are targeting.
- If targeting stop sounds like /k/ and /g/.
 Place these in the final position if possible, keeping them
 pure and use a continuant sound in the beginning to support segmenting (and blending).

Blending 2-3 phonemes by 6 years

7 19 W

Mystery Card/Object

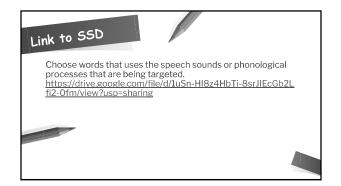
Place a set of picture cards or small objects in a bag. Have the children take turns drawing an item from the bag; you may choose to have them keep the card or object hidden from the others. Have the child say the word in its sounds while the others guess what the word is. When the word is guessed correctly, the item is shown.

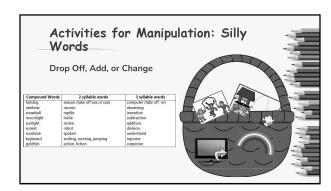
IS-P-Y

Play the familiar game "I Spy" with a different twist. For example, using the names of objects in the room, tell the children "I spy a p-e-n" and see if they can guess what it is. If the children can segment words, have them take turns choosing things to spy.

Manipulation

Children begin to isolate initial sounds by 5 1/2 years of age. This is the beginning of being able to understand manipulating sounds in words. By age 6 1/2, students can substitute phonemes to build new words.





Cotton Cups

Cotton Cups

Provide each child with 10 cotton balls and a plastic cup. While reading a book to the group, occasionally leave off the first sound of some of the words. When the children notice this, they are to quietly place a cotton ball into their cup. Take a break to discuss what sound was left off, and then continue the story. When all the cotton balls are gone, make sure every child filled their cup.

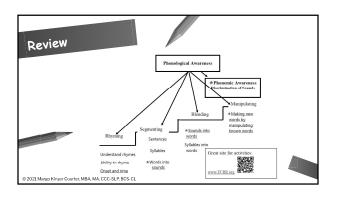


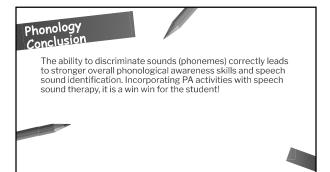
For SSD and Phonological Processes

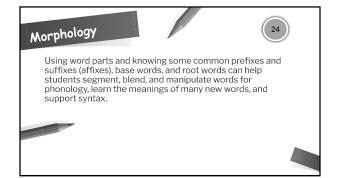
Write goals and objectives as one would for articulation goals with adding specific progression. The activities above would be the activities used to achieve these goals.

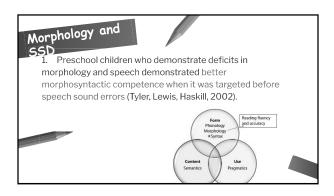
Example Goal

At the end of the second semester, student will perceive and use initial I_T/A and vocalic I_T/I in words in structured activities in 8 out of the opportunities with minimal cueing as demonstrated through correct production.









2. Children with SSD scored significantly lower than did their counterparts on the morphological awareness measures as well as on phonemic awareness, word-level reading, and spelling tasks (Apel and Lawrence, 2011).

3. Morphological awareness was a unique predictor of spelling abilities of children with speech sound disorders (Apel and Lawrence, 2011).

Steps in Morphology
Instruction

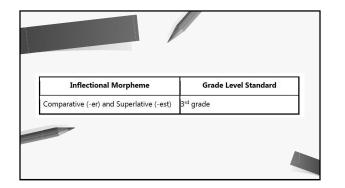
Step 1 Explicit Instruction
Discuss the importance
Explain target patterns
(inflectional/derivational)

Steps in Morphology
Instruction

Step 2
Intervene

Systematic and sequential instruction

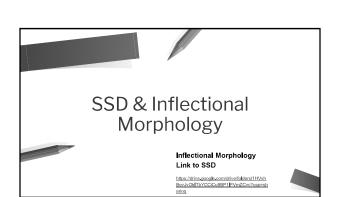


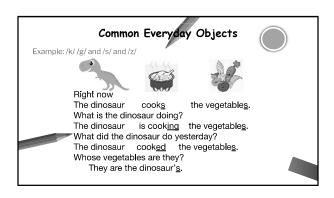


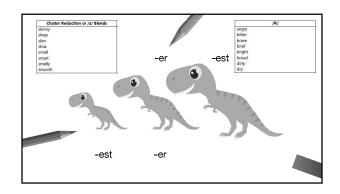
Derivational Morphology

Derivational Morphemes - Prefix, suffix, or both applied to a root

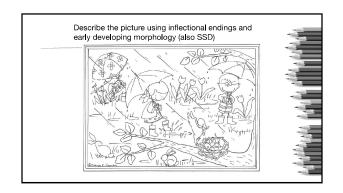
Meyerson (1978) found that children as young as 8 years could apply suffix addition rules to aid in the oral generation and recall of nonsense words containing complex morphemes.

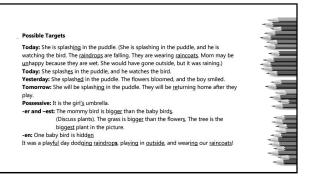


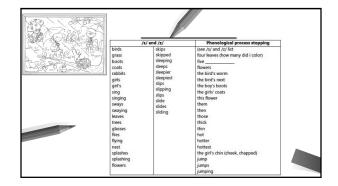


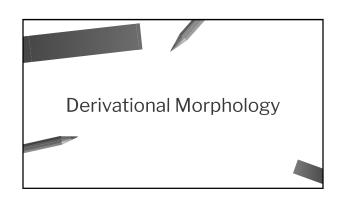


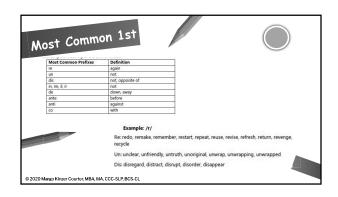
Inflectional present participle -ing plural -s and -es possessive -s third person singular -s past tense -ed past participle -en comparative/superlative -er, -est

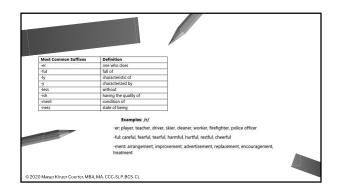


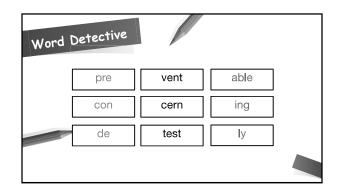












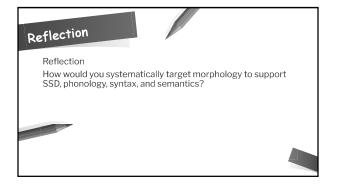
Goals and Objective

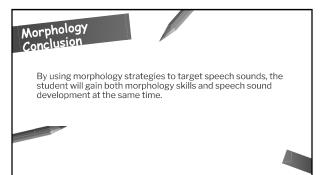
For Speech Sound Disorders

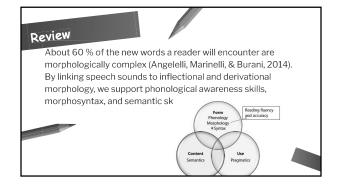
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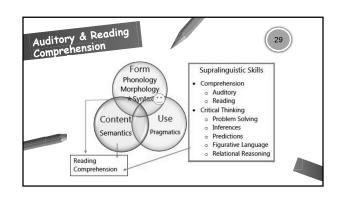
Example Goal

At the end of the second semester, student will perceive and or initial /r/ and vocalic /r/ in words in structured activities in 8 out of 10 opportunities with minimal cueing as demonstrated through correct production.









(Morpho)Syntax

Verb voice and clause structures

Goals for SSD

Write goals for generalization whatever speech sounds or phonological process being targeted. In the activities used, make a conscientious effort to increase morphosyntax out to the aforementioned strategies.

Vocabulary

Link to SSD

Be conscientious when choosing the word list for targeting SSD. Choose words that will increase vocabulary at the same time as remediation of the SSD.

Goals for SSE

Write goals for word level, phrase level, sentence level, etc. to increase generalization whatever speech sounds or phonological process being targeted. In the activities used, make a conscientious effort to increase Tier I, Tier II, and Tier III vocabulary through the aforementioned strategies.

What will you do to target speech sounds and phonological processes through the domains of language to support literacy development? Speech Sounds & 5 Domains of Language - Supralinguistics Speech Sounds & 5 Domains of Language - Supralinguistics Speech Sounds & 5 Domains of Language - Supralinguistics Speech Sounds & 5 Domains of Language - Supralinguistics Speech Sounds & 5 Domains of Language - Supralinguistics Competencion - Citical Thinking - Productions - Productions - Figurative - Language - Relational - Speech Sounds & 5 Domains of Language - Supralinguistics - Speech Sounds & 5 Domains of Language - Supralinguistics - Speech Sounds & 5 Domains of Language - Supralinguistics - Speech Sounds & 5 Domains of Language - Supralinguistics - Speech Sounds & 5 Domains of Language - Supralinguistics - Speech Sounds & 5 Domains of Language - Supralinguistics - Speech Sounds & 5 Domains of Language - Supralinguistics - Speech Sounds & 5 Domains of Language - Supralinguistics - Speech Sounds & 5 Domains of Language - Supralinguistics - Speech Sounds & 5 Domains of Language - Supralinguistics - Speech Sounds & 5 Domains of Language - Supralinguistics - Speech Sounds & 5 Domains of Language - Supralinguistics - Speech Sounds & 5 Domains of Language - Supralinguistics - Speech Sounds & 5 Domains of Language - Supralinguistics - Speech Sounds & 5 Domains of Language - Supralinguistics - Speech Sounds & 5 Domains of Language - Speech Sounds & 5 Domains of Language

Takeaways

- The ability to accurately perceive speech sounds enhances speech sound development and literacy skills
- Students with SSD are more likely to demonstrate difficulty with morphological and phonological awareness skills, thus, reading and spelling.
- Preschool children with deficits in speech and morphology demonstrated better morphosyntax competency when morphology was targeted before speech
- By targeting speech sounds through phonology and morphology activities, improvement in speech and literacy can be achieved.

