

Infusing Literacy Supports into AAC Across the Developmental Trajectory

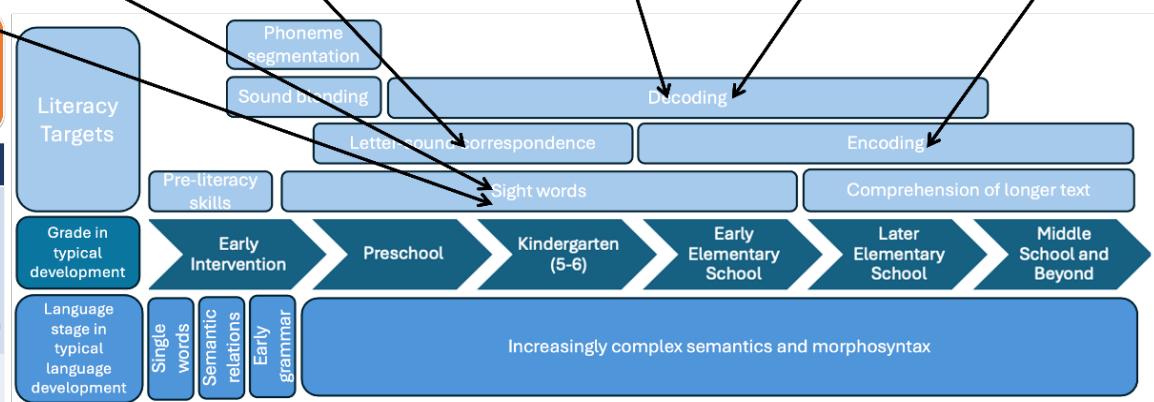
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- Literacy skills are essential for full participation in education, employment, and independent living (Light & McNaughton, 2013)
- For people who use AAC, functional literacy skills are critical for generative, independent communication but are often left out of literacy instruction
- Functional literacy skills require the integration of multiple complex skills (e.g., phonological awareness, sound blending, letter-sound correspondence; Adams, 1990)
- The Transition to Literacy (T2L) features can be integrated into AAC applications to support formative literacy skills, to supplement systematic direct literacy instruction
 - Sight word, decoding, sound blending, letter-sound correspondence
- We aim to provide examples of ways we have used the T2L feature to increase exposure to literacy aspects for a range of participants across the language and literacy developmental trajectory



Poster and additional resources:



Literacy Skill	Description	T2L Feature
Preliteracy Skills	<ul style="list-style-type: none"> Print awareness in books/the environment Print motivation Vocabulary knowledge Narrative skills 	<ul style="list-style-type: none"> T2L Single Word feature – print awareness (i.e., drawing attention to print) VSD-based AAC systems – print motivation, vocabulary knowledge, narrative skills with embedded hotspots to support communication and/or language learning
Sound Blending	Merging together individual phonemes to form a word	<p>/d/ /a/ /g/ /d a g/ "dog"</p> <p>T2L Decoding feature</p>
Phoneme Segmentation	Recognizing the individual phonemes in a word	<p>"cat" /k/ - /æ/ - /t/ starts with /k/</p> <p>T2L Decoding feature Adapted to target initial phoneme segmentation (continuing to other word positions)</p>
Sight Word Recognition	Recognizing a whole written word as one symbol	<p>dog grumpy happy bear</p> <p>T2L Single Word feature</p>
Letter-Sound Correspondence	Pairing a letter (grapheme) with the sound it makes (phoneme)	<p>d makes the sound /d/ o makes the sound /o/ g makes the sound /g/</p> <p>T2L Decoding feature Adapted to target initial letter phoneme segmentation with target letter sounds in the initial position</p>
Decoding	<p>Sounding out novel words – requires (a) letter-sound correspondence and (b) sound blending skills</p> <p>Spelling words by sound – requires (a) letter-sound correspondence and (b) phoneme segmentation skills</p>	<p>dog (written) /d/ /a/ /g/ "dog"</p> <p>T2L Decoding feature</p>
Encoding	<p>Spelling words by sound – requires (a) letter-sound correspondence and (b) phoneme segmentation skills</p>	<p>"cat" /k/ /æ/ /t/ cat (written)</p> <p>T2L Decoding feature</p>



Example Intervention Activities (could target any literacy skill)	
Younger Learners	Older Learners
<ul style="list-style-type: none"> Shared storybook reading: (a) digital books programmed into VSD apps; (b) storybook topic pages in a grid app (personalized books or commercially available books) Shared viewing of motivating videos in video VSD apps – e.g., animated storybooks, clips from preferred shows 	<ul style="list-style-type: none"> Shared viewing of motivating videos in video VSDs – e.g., YouTube/TikTok videos, clips from preferred shows, music videos Video (or static) VSD models of sequenced activities that are motivating in daily life (e.g., cooking, employment activities, grocery shopping, etc.) Structure conversation about preferred topics (e.g., sports, music, celebrities, hobbies) in VSD apps – may be in the context of age-appropriate personalized “books”
Scene & Heard Pro	Scene & Heard Pro
Go Visual	Go Visual
Saltillo Dedicated Devices	Saltillo Dedicated Devices
Snap Scene	Snap Scene
Scene Speak	Scene Speak
GoTalk Now	GoTalk Now

T2L Single Word feature	Yes	Yes	Yes	Yes	Yes	--
T2L Decoding feature	Yes	--	--	--	--	--
VSDs	Yes	Yes	--	Yes	Yes	Yes
Video VSDs	Yes	Yes	--	--	--	--
Free Trial Version	--	Yes	--	Yes	--	Yes

Referenced Transition to Literacy (T2L) Articles

[Boyle et al. \(2021\)](#)

[Holyfield et al. \(2020\)](#)

[Holyfield et al. \(2024\)](#)

Apps with T2L Features

[Scene & Heard Pro](#)

[GoVisual; GoVisual Experience \(free version\)](#)

[Saltillo dedicated devices](#)

[Snap Scene and Snap Scene Lite \(free version\)](#)

[Scene Speak](#)

[GoTalk Now; GoTalk Now Lite \(free version\)](#)

Additional Resources

[AAC Learning Center: T2L Decoding](#)

[AAC Learning Center Moodle](#) (with self-paced trainings on literacy intervention for AAC users)

[Accessible Literacy Learning app \(ALL\)](#)

[AAC Literacy PSU](#)

[T2L Bundle through the RERC](#) (free CEUs)