

References and resources organized by intervention

(Resources marked with a • indicate websites)

Brookes Coffee Chat on Interventions for childhood apraxia of speech

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Intervention	Ages/Child characteristics	Delivery and expected duration	Recommended training	Supportive resources
Dynamic Temporal and Tactile Cueing	Younger more severe or more involved	Usually Individual 1-2 times per week for 12-16 weeks	Videos, readings (especially Strand, 2020); Specific trainings	Videos are available online; Some free 2-day trainings provided through Once Upon a Time Foundation
Nuffield Center Dyspraxia Program (NDP3)	3 to 12, including children with greater involvement	Usually individual, 4 times per week 1 year to 3 to 4 years when used with severe dyspraxia	Specific training sessions	Website; Detailed treatment manual; online training may be available
PROMPT	Perhaps the widest range of ages, 2 to adults, including those with greater involvement	Usually 1 to 2 times per week for 12-16 weeks	Specific training sessions	Website;
Speech Motor Programming Intervention TEMPO/ReST	4 to 12, without neurodevelopmental diagnoses	4 1-hour sessions for 4 weeks (TEMPO) or 4 1-hour sessions for 3 weeks (ReST); Telehealth is being examined	TEMPO: not specified; ReST training materials provided on the website	Website with manual and other materials, including training materials

General

American Speech-Language-Hearing Association. (2007). *Childhood apraxia of speech* [Technical Report]. Available from www.asha.org/policy/.

- Apraxia Kids A nonprofit organization seeking to strengthen the support systems for children with CAS. Its website is apraxia-kids.org/ and it contains numerous resources for parents and clinicians that have been vetted by a very active professional advisory board comprised of a variety of expert researchers and clinicians.
- Baker, E., McCauley, R. J., Williams, A. L., & McLeod, S. (2020). Elements in phonological intervention: A comparison of three approaches using the Phonological Intervention Taxonomy. In E. Babatsouli & M. J. Ball (Eds.) *On under-reported monolingual child phonology* (pp. 375-399). Bristol, UK: Multilingual Matters
- Childhood Apraxia Treatment (Once Upon a Time Foundation) <https://www.childapraxiatreatment.org/> Provides information about DTTC, ReST, Nuffield Dyspraxia Program and Integrated Phonological Awareness Intervention for CAS
- Murray, E., McCabe, P., & Ballard, K. J. (2014). A systematic review of treatment outcomes for children with childhood apraxia of speech. *American Journal of Speech-Language Pathology*, 23, 486-504.
- Williams, A. L., McLeod, S. & McCauley, R. J. (2021). *Interventions for speech sound disorders* (2nd edition). Baltimore, MD: Brookes Publishing.

Dynamic Temporal and Tactile Cueing (Edythe Strand)

- Youtube video materials developed at the Mayo clinic for sharing with parents of children with CAS : <http://bcove.me/7ydizdoc>
 - Once Upon a Time Foundation: <https://www.childapraxiatreatment.org/dttc/> Provides videos and information about free workshops for DTTC
- Strand, E. A. (2020). Dynamic temporal and tactile cueing: A treatment strategy for childhood apraxia of speech. *American Journal of Speech-Language Pathology*, 1-19. https://doi.org/10.1044/2019_AJSLP-19-0005
- Strand, E. A. (2021). Dynamic temporal and tactile cueing. In A. L. Williams, S. McLeod & R. J. McCauley (Eds.), *Interventions for speech sound disorders* (pp. 537-572). Baltimore, MD: Brookes Publishing.

Nuffield Centre Dyspraxia Programme (Pam Williams)

- Murray, E., McCabe, P., & Ballard, K. J. (2015). A randomized controlled trial for children with childhood apraxia of speech comparing Rapid Syllable Transition Treatment and the Nuffield Dyspraxia Program (3rd edition), *Journal of Speech, Language, and Hearing Research*, 58(3), 669-686.
- <https://www.ndp3.org/nuffield-centre/> Provides information about the intervention, the manual, and a computer/ipad application
- Williams, P. (2021). The Nuffield Centre Dyspraxia Programme. In Williams, S. McLeod & R. J. McCauley (Eds.), *Interventions for speech sound disorders* (pp. 447-476). Baltimore, MD: Brookes Publishing.
- Williams, P. & Stephens, H. (2004). NDP3 therapy manual from The Nuffield Centre Dyspraxia Programme (3rd ed.). Windsor, England: The Miracle Factory

PROMPT (Hayden et al.)

- Hayden, D.A. (2006). The PROMPT model: Use and application for children with mixed phonological-motor impairment. *Advances in Speech-Language Pathology*, 8(3), 265–281
- Hayden, D. A., Namasivayam, A. K., R. Ward, A. Clark, & J. Eigen (2021). The PROMPT approach In A. L. Williams, S. McLeod & R. J. McCauley (Eds.), *Interventions for speech sound disorders* (pp. 477-504). Baltimore, MD: Brookes Publishing.
- Rogers, S.J., Hayden, D., Hepburn, S., Charlifue-Smith, R., Hall, T., & Hayes, A. (2006). Teaching young non-verbal children with autism useful speech: A pilot study of the Denver Model and PROMPT interventions. *Journal of Autism and Developmental Disorders*, 36(8), 1007–1024.
- The Prompt Institute <https://promptinstitute.com/> Contains information about workshops, including self-paced online modules

Speech Motor programming intervention - TEMPO/ReST (TEMPO: Ballard & Robin and ReST: others including McCabe and Murray)

- Ballard, K., & Robin, D. A. (2021). Speech motor programming Intervention. In A. L. Williams, S. McLeod & R. J. McCauley (Eds.), *Interventions for speech sound disorders* (pp. 505-536). Baltimore, MD: Brookes Publishing.
- McCabe, P., MacDonald-D’Silva, A., van Rees, L., Ballard, K. J., & Arciuli, J. A. (2014). Orthographically sensitive treatment for dysprosody in children with childhood apraxia of speech using ReST intervention. *Developmental Neurorehabilitation*, 17(2), 137-146.
- Miller, H., Plante, A., Ballard, K.J., & Robin, D.A. (2018). Treatment of lexical stress, segmentation, and sound distortions in childhood apraxia of speech. Poster presented at the International Motor Speech Conference, Savannah, GA, USA.
- Murray, E., McCabe, P., & Ballard, K. J. (2015). A randomized controlled trial for children with childhood apraxia of speech comparing Rapid Syllable Transition Treatment and the Nuffield Dyspraxia Program (3rd edition), *Journal of Speech, Language, and Hearing Research*, 58(3), 669-686.
- Rapid Syllable Transition Treatment website at the University of Sydney <https://rest.sydney.edu.au/>. This website provides a variety of materials and a manual for use with this intervention.