



DTTC CUEING HIERARCHY

Dynamic Temporal & Tactile Cueing (DTTC) is a motor-based intervention for children with Childhood Apraxia of Speech, which aims to increase the accuracy of speech targets by providing varying levels of modeling, cueing, and feedback during production practice. As accuracy is achieved across several trials, move down the hierarchy. If accuracy unable to be achieved, move back up the hierarchy.

SLOWED SIMULTANEOUS PRODUCTION

Direct the child to watch your face as you produce the target at the same time. Provide multisensory cues if needed, then gradually fade.

- Gradually move toward a **regular rate**
- Begin to vary **prosody**
- Reduce support by **miming** as the child produces the target

10-20 accurate trials at regular rate

DIRECT IMITATION

Begin with slower rate.

- Gradually move toward a **regular rate**
- Vary **prosody**

10-20 accurate trials at regular rate

DELAYED IMITATION

Provide a model and instruct the child to wait a few seconds before repeating. Example: "wait until I point to you"

- Vary **prosody**

10-15 accurate trials at regular rate

SPONTANEOUS PRODUCTION

Begin to elicit the target with a question or picture cue. Elicit randomly throughout the session while working on other targets

Most trials are accurate across 2-3 sessions

CARRYOVER PHASE

Family members may elicit at various times throughout the week. Continue to monitor for maintenance.