**TEACHING PROCEDURES TO IMPROVE SPEECH INTELLIGIBILTY**

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| **PROCEDURE** | **TACTICS** | **DATA RECORDING** | **GRAPHING** |
| **Manding** | **CANDIDATE: ALL LEARNERS**   1. Run many trials per day across many reinforcers and MO’s   with sign language and vocally. | * What the learner says * Prompt level needed to evoke each mand | * Rate of spont. vs. prompted * Prompt level need per reinforcer |
| **Differential Reinforcement during manding** | **CANDIDATE: POOR INTELLIGIBILITY**   1. Reinforce clear articulation of first mand attempt. 2. Delay reinforcement and provide up 3-5 echoic prompts for better articulation. | * Vocal approximations when manding on first attempt * Vocal approximations that improve when running echoic procedure. | * % of clear vocal approx. on 1st mand attempt * % of vocal approximations that improve during echoic trials. |
| **Automatic Reinforcement**  **Procedure** | **CANDIDATE: FEW SPEECH SOUNDS PRODUCED**   1. Conduct sound inventory 2. Select a target sound from:    * Most often sound heard during sound inventory    * Developmentally appropriate sound 3. Pair the sound with reinforcement: Present target 3 times then provide reinforcement 4. Differentially reinforce if the sound is produced | * All sounds or words said during each trial | * % of trials in which the target sound occurs |
| **Kaufman Echoic** | **CANDIDATE: MANY SPEECH SOUNDS; POOR ARTIC**   1. Conduct Kaufman assessment and select appropriate targets. 2. Begin teaching session:    1. Show a “promise” reinforcer.    2. Present the word approximation at the level where parity was last achieved    3. Run up and the down the shells.    4. Differentially reinforce    5. Other procedures:       * Present easy motor movements prior to target       * Present easy words within the same syllable form prior to target | * “Yes/No” cold probe on the adult form. * Mark on the card the highest level of the shell | * Weekly # of adult forms that have met criteria |
| **Echoic Procedure: Not Kaufman** | **CANDIDATE: MANY SPEECH SOUNDS; POOR ARTIC**   1. Select targets from mands, sound inventory and ARP produced sounds. 2. Show “promise” reinforcer 3. Possible alternative procedures    1. Present the word 3-5 times    2. Present easy motor movements prior to target    3. Present easy words within the same syllable form prior to target    4. Breakdown words using a backward chain. | * “Yes/No” cold probe on the adult form. | * Cumulative Weekly # of adult forms that have met criteria |