**Meredith's temporary protocol for the Dynamic Evaluation of Motor Speech Skill-Expanded (DEMSS-E)**

The first part is adapted from Strand, McCauley, Weigand, Stoeckel & Baas., (2013). A motor speech assessment for children with severe speech disorders: Reliability and validity evidence, *JSLHR,* Vol 56., 505-520. This expands on the original template by adding more complex syllable shapes, phonemes, words and phrases for older children.

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| Strand, et al., 2013, p. 508, Table 2  **Overall articulatory accuracy**: 5-point multidimensional scoring  0 = correct on first attempt  1 = consistent developmental substitution error (e.g., /t/ for /k/; /w/ for /r/) without slowness or distortion of movement gestures  2 = correct after first cued attempt  3= correct after two or three additional cued attempts  4 = not correct after all cued attempts |
| **Vowel accuracy:** 3-point multidimensional scoring  0 = correct  1 = mild distortion 2 = frank distortion |
| **Prosodic accuracy**: Binary scoring 0 = correct 1 = incorrect |
| **Consistency:** Binary scoring  0 = consistent across all trials  1 = inconsistent across any 2 or more trials |

\**Stimulus items written here can be changed to suit the child's sound repertoire.*

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| **Utterance Type** | **Overall articulatory accuracy**  **0 =** Immediate correct repetition.  **1 =** Immediate; accurate rate and movement but consistent error.  2= correct after first cued attempt  **3 =** Needs cuing (multiple cues)  **4 =** No correct response.  **X=**Refusal/inattention/no attempt. | | | | | | **Vowel accuracy**  **0 =** Immediate correct repetition of the vowel  **1 =** Mild distortion  **2 =** Frank distortion *On first attempt* | | | | | **Prosodic accuracy**  **0 =** Correct  **1 =** Incorrect  *On first attempt* | | | **Consistency**  **0 =** Consistent  **1 =** Inconsistent  *On any 2 or more trials* | |
| **VC syllables** | | | | | | | | | | | | | | | | |
| **1. eat** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | |  | | | **0 1** | |
| **2. on** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | |  | | | **0 1** | |
| **3. ick** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | |  | | | **0 1** | |
| **4. up** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | |  | | | **0 1** | |
| **5. off** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | |  | | | **0 1** | |
| **6. I’m** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | |  | | | **0 1** | |
| **7. eight** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | |  | | | **0 1** | |
| **8. is** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | |  | | | **0 1** | |
| **Subtotal for each #** |  |  |  |  |  |  |  |  | |  | |  | | |  |  |
| **CVC1** | | | | | | | | | | | | | | | | |
| **1. mom** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | |  | | | **0 1** | |
| **2. shush** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | |  | | | **0 1** | |
| **3. church** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | |  | | | **0 1** | |
| **4. sis** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | |  | | | **0 1** | |
| **5. lull** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | |  | | | **0 1** | |
| **6. roar** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | |  | | | **0 1** | |
| **Subtotal for each #** |  |  |  |  |  |  |  |  | |  | |  | | |  |  |
| **CVC2** | | | | | | | | | | | | | | | | |
| **1. mine** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | |  | | | **0 1** | |
| **2. like** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | |  | | | **0 1** | |
| **3. hope** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | |  | | | **0 1** | |
| **4. sick** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | |  | | | **0 1** | |
| **5. kite** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | |  | | | **0 1** | |
| **6. ship** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | |  | | | **0 1** | |
| **7. make** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | |  | | | **0 1** | |
| **Subtotal for each #** |  |  |  |  |  |  |  |  | |  | |  | | |  |  |
| **CCVC and CCVC** | | | | | | | | | | | | | | | | |
| **1. please** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | | |  | | **0 1** | |
| **2. truck** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | | |  | | **0 1** | |
| **3. school** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | | |  | | **0 1** | |
| **4. stop** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | | |  | | **0 1** | |
| **5. strong** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | | |  | | **0 1** | |
| **6. stripe** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | | |  | | **0 1** | |
| **Subtotal for each #** |  |  |  |  |  |  |  | |  | |  | |  | |  |  |
| **Utterance Type** | **Overall articulatory accuracy** | | | | | | **Vowel accuracy** | | | | | **Prosodic accuracy** | | | **Consistency** | |
| **Multisyllabic** | | | | | | | | | | | | | | | | |
| **1. banana** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | | | **0 1** | | **0 1** | |
| **2. computer** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | | | **0 1** | | **0 1** | |
| **3. tomato** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | | | **0 1** | | **0 1** | |
| **4. kindergarten** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | | | **0 1** | | **0 1** | |
| **5. watermelon** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | | | **0 1** | | **0 1** | |
| **6. magnifying glass** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | | | **0 1** | | **0 1** | |
| **7. strawberry shortcake** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | | | **0 1** | | **0 1** | |
| **8. tyrannosaurus rex** | **0 1 2 3 4 X** | | | | | | **0 1 2** | | | | | | **0 1** | | **0 1** | |
| **Subtotal for each #** |  |  |  |  |  |  |  | |  | |  | |  |  |  |  |

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| **Words of increasing length** | **Circle syllable length where break down occurred** | | | | **Circle level of cuing needed for correct production or greatly improved production.** | | | | |
| **1. zip, zipper, zippering** | **1 2 3** | | | | **1 2 3 4 NC** | | | | |
| **2. bass, basket, basketball** | **1 2 3** | | | | **1 2 3 4 NC** | | | | |
| **3. base, baseball, baseball cap, baseball player** | **1 2 3 4** | | | | **1 2 3 4 NC** | | | | |
| **Subtotal for each #** |  |  |  |  |  |  |  |  |  |

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| **Phrases of increasing length-** | **Prosodic accuracy**  **0 =** Correct  **1 =** Incorrect | **Level of cuing needed for correct production**   1. direct imitation only 2. direct imitation with miming 3. simultaneous 4. simultaneous with tactile cue   **NC = Never correct** |
| **1.** Are we there yet? | **0 1** | **1 2 3 4 NC** |
| **3.** One more minute, please. | **0 1** | **1 2 3 4 NC** |
| **4.** Can we go home now? | **0 1** | **1 2 3 4 NC** |
| **5.** What do you wanna do? | **0 1** | **1 2 3 4 NC** |
| **8.** Open my birthday present first. | **0 1** | **1 2 3 4 NC** |
| **Potential target phrases for treatment. Level of cuing needed for correct production** | | |
| 1. **1 2 3 4** | | |
| 1. **1 2 3 4** | | |
| 1. **1 2 3 4** | | |
| **4. 1 2 3 4** | | |
| **5. 1 2 3 4** | | |
| **6. 1 2 3 4** | | |
| **7. 1 2 3 4** | | |
| **8. 1 2 3 4** | | |
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| **Potential target phrases for treatment. Direct Imitation** |
| **Transcription of phrases 2 reps each PCC PVC PPC** |
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