Appendix B: Child participant pre-study assessments.

Participant	Speech characteristics	Test results	Treatment Goals and Control Variable
Brian	- Lengthened and/or disrupted coarticulatory transitions between sounds and syllables - Inappropriate prosody – equal stress, vowel distortions, syllable segregation (eg. prolongations) - Slow or disrupted DDK - Inconsistent errors on consonants and vowels in repeated productions of syllables or words - Difficulty achieving initial articulatory configurations and transitions into vowels. - Syllable segregation - Lexical stress errors or equal stress - Vowel or consonant distortions - Voicing errors	GFTA -2: DEAP Inconsistency: 68% DEAP Oral Motor Screen: 45 Reynell: Percentile expressive 1, comprehension 1 DEMSS: 350 (some evidence of at least mild CAS)	Treatment goals: Improve production of single syllable "sh" and "f" words. Control words: multisyllabic words.

	• Slow rate • Increased difficulty with longer or more complex words • Stopping fricatives and affricates. • Cluster reduction • Weak Syllable deletion		
Nicholas	• Lengthened and/or disrupted coarticulatory transitions between sounds and syllables • Inappropriate prosody – equal stress, vowel distortions, syllable segregation, weak syllable deletion (e.g. prolongations) • Slow or disrupted DDK • Inconsistent errors on consonants and vowels in repeated productions of syllables or words • Syllable segregation • Lexical stress errors or equal stress	GFTA -2: DEAP Inconsistency: 68% DEAP Oral Motor Screen: 15 Reynell: Percentile Comprehension 2, Expressive 0 DEMSS: 333 (some evidence for at least mild CAS)	Target goals: Improve accuracy of final [v] CVC words Improve accuracy of [sp] and [st] CCVC words Control words: [k] 3 syllable words.

	• Vowel or consonant distortions • Voicing errors • Slow rate • Increased difficulty with longer or more complex words • Stopping [k] and [g] • No [w] • Fricatives are limited and inconsistent. [s] and [ʃ] are most used fricatives. • Mainly single syllable words, bisyllabic words. Some 3 syllables words – usually inaccurate. • Dipthongs usually are simplified. • No clusters • Syllable deletion • Nasal • Reduced phonemic repertoire (limited number of sounds)		