

Supplemental Material S1. Lists of trained and untrained stimuli used in this study.

All stimuli were comprised of nine phonemes with syllable stress recorded on the first, second, or third syllable by a speaker knowledgeable in phonetic transcription and trained to maintain a slow, natural rate of speech. Three independent raters perceptually evaluated all stimuli for accurate syllable stress and pronunciation prior to the experiment. All experimental stimuli (trained and untrained) are listed below with corresponding syllable stress position. All Trained stimuli are marked with first or second syllable stress position, the hypothesized motor class for this experiment. Untrained stimuli varied by motor class and phonetic similarity to the trained stimuli. Phonetic similarity was defined by the phonemes used and the phoneme order within a consonant-vowel (CV) unit within a given stimulus.

Trained Stimuli

Experimental stimuli.

<i>Supplemental Table S1.</i> Trained experimental stimuli and corresponding stressed syllable position.	
Stimuli	Stressed Syllable Position
/te <u>n</u> ærok/	Second
/kæ <u>θ</u> otæs/	First
/sæ <u>θ</u> odæk/	First
/z <u>o</u> tenav/	First
/za <u>f</u> ɔdʒəz/	Second
/zæ <u>f</u> ɔdʒəθ/	Second
/dʒə <u>z</u> æk/	Second
/zæ <u>n</u> ɔdʒəθ/	Second
/dʒ <u>ʌ</u> nɔzæk/	Second
/θ <u>ʌ</u> rasæθ/	First
<i>Note.</i> All stimuli are considered within the trained motor class based on their stressed syllable position. All stressed syllables are also bolded and underlined in the stimuli.	

Filler stimuli.

<i>Supplemental Table S2.</i> Trained filler stimuli and corresponding stressed syllable position.	
Stimuli	Stressed Syllable
/ze <u>s</u> əfis/	First
/ze <u>s</u> əfin/	Second
/v <u>ɔ</u> səfis/	First
/zi <u>r</u> əfin/	Second
/di <u>s</u> əfis/	First
/n <u>ʌ</u> zi <u>r</u> əz/	Second
/n <u>ʌ</u> zi <u>r</u> əv/	First
/r <u>ʌ</u> zi <u>r</u> əs/	Second
/s <u>ʌ</u> zi <u>r</u> ədʒ/	First

(Continued.)

/p <u>Λ</u> z <u>i</u> rədʒ/	Second
/s <u>m</u> ədɔb/	First
/l <u>ad</u> iheb/	Second
/n <u>ə</u> nabəp/	First
/t <u>af</u> upəl/	Second
/g <u>æ</u> zəmin/	First
/r <u>i</u> gəsət/	Second
/t <u>f</u> initab/	First
/n <u>ɪ</u> t <u>f</u> oveb/	Second
/d <u>ɪ</u> təvəb/	First
/te <u>v</u> ɪfɪg/	Second
<i>Note.</i> All stimuli are considered within the trained motor class based on their stressed syllable position. All stressed syllables are also bolded and underlined in the stimuli.	

Untrained Stimuli Transfer set 1.

Supplemental Table S3. Untrained transfer set 1 stimuli and corresponding stressed syllable position.

Stimuli	Stressed Syllable
/n <u>æ</u> terok/	First
/θ <u>ok</u> ætəs/	Second
/θ <u>os</u> ædæk/	Second
/te <u>z</u> onav/	Second
/ʃ <u>ɔ</u> zədʒəz/	First
/ʃ <u>ɔ</u> zædʒəθ/	First
/z <u>ɔ</u> dʒəzæk/	First
/n <u>ɔ</u> zædʒəθ/	First
/n <u>ɔ</u> dʒʌzæk/	First
/r <u>ə</u> θ <u>ʌ</u> sæθ/	Second

Note. All stimuli are considered within the trained motor class based on their stressed syllable position. These stimuli are identical to the Training Set except the first and second syllables are reversed. All stressed syllables are also bolded and underlined in the stimuli.

Transfer set 2.

Supplemental Table S4. Untrained transfer set 2 stimuli and corresponding stressed syllable position.

Stimuli	Stressed Syllable
/ʃ <u>ɔ</u> dʒəzəd/	First
/v <u>u</u> zæfəm/	First
/f <u>o</u> zæfəd/	First

(Continued.)

/k <u>o</u> zæfɔm/	First
/dɔdʒəzɔd/	First
/n <u>æ</u> θodæp/	First
/r <u>as</u> æθon/	Second
/s <u>av</u> enæθ/	Second
/n <u>as</u> æθoʃ/	Second
/vɪf <u>æ</u> dæk/	Second
<i>Note.</i> All stimuli are considered within the trained motor class based on their stressed syllable position. All phonemes are present in the Training Set but not in the same specified CV order. All stressed syllables are also bolded and underlined in the stimuli.	

Transfer set 3.

Supplemental Table S5. Untrained transfer set 3 stimuli and corresponding stressed syllable position.

Stimuli	Stressed Syllable
/gɪ <u>bɪ</u> ðɪb/	Second
/zɪ <u>b</u> ʊtʃeð/	Second
/tʃeð <u>u</u> gʊz/	First
/z <u>o</u> gɪjub/	First
/gʊ <u>g</u> ɪðʊtʃ/	Second
/bɪðet <u>f</u> ug/	First
/gɪgʊð <u>ɪ</u> b/	First
/tʃejiw <u>ɪ</u> z/	First
/bʊtʃ <u>ɪ</u> tʃeʒ/	Second
/tʃʊtʃ <u>u</u> bɪz/	Second
<i>Note.</i> All stimuli are considered within the trained motor class based on their stressed syllable position. All phonemes are novel (i.e., not used in the Training Set). All stressed syllables are also bolded and underlined in the stimuli.	

Transfer set 4.

Supplemental Table S6. Untrained transfer set 4 stimuli and corresponding stressed syllable position.

Stimuli	Stressed Syllable
/gɪbɪ <u>ð</u> ɪb/	Third
/zɪbʊt <u>ʃ</u> eð/	Third
/tʃeð <u>u</u> gʊz/	Third
/zɔgɪ <u>j</u> ub/	Third
/gʊgɪ <u>ð</u> ʊtʃ/	Third
/bɪðet <u>f</u> ug/	Third
/gɪgʊ <u>ð</u> ɪb/	Third
/tʃejiw <u>ɪ</u> z/	Third
/bʊtʃ <u>ɪ</u> tʃeʒ/	Third

(Continued.)

/tʃot <u>fu</u> ɪ z/	Third
<i>Note.</i> All stimuli are considered outside the trained motor class based on their stressed syllable position. All phonemes are novel (i.e., not used in the Training Set). All stressed syllables are also bolded and underlined in the stimuli.	