

Supplemental Material S2: Full list of stimuli in the phonetic awareness task

Part A. Do you use the front or the back of your tongue?

Press ‘f’ or ‘b’ to record the participant’s response.

		Correct	Incorrect Production	Comments
PRAC 1	/θ/ like in think	f		“Good. You use the front of the tongue to say /θ/.” OR “Not quite. You use the front of the tongue to say /θ/.” If child seems to be focused on the vowel sound, say “Pay attention to the first sound, the consonant sound, when you make your decision.”
2.	/z/ like in zero	f		
3.	/t/ like in tea	f		
4.	/k/ like in king	b		
5.	/d/ like in dig	f		
6.	/s/ like in see	f		
7.	/l/ like in lead	f		
8.	/g/ like in go	b		
9.	/n/ like in new	f		

Measures of somatosensory acuity in adults

Part B. Which vowel is further back?

Press '1' or '2' to indicate if the participant chose the first or the second response.

		Correct	Incorrect Production	Comments
PRAC 1	'ah' like in 'hot' 'ey' like in 'hate'	1		“Good. For /a/ the tongue is further back in the mouth than for /e/.” OR “Not quite. For /e/ the tongue is forward in the mouth. It’s further back for /a/.”
PRAC 2	'ooh' like in 'hoot' 'ee' like in 'heat'	1		“Good. For /u/ the tongue is further back in the mouth than for /i/.” OR “Not quite. For /i/ the tongue is forward in the mouth. It’s further back for /u/.”
3.	'ey' like in 'hate.' 'oh' like in 'hoed'	2		
4.	'ih' like in 'hit' 'ooh' like in 'hoot'	2		
5.	'ah' like in 'hot' 'ae' like in 'hat'	1		
6.	'ih' like in 'pit' 'oo' like in 'put'	2		
7.	'eh' like in 'pen' 'aw' like in 'paw'	2		
8.	'ah' like in 'pot' 'eh' like in 'pet'	1		
9.	'ey' like in 'fate' 'oo' like in 'foot'	2		

Measures of somatosensory acuity in adults

Part C. Which vowel is lower?

Press '1' or '2' to indicate if the participant chose the first or the second response.

		Correct	Incorrect Production	Comments
PRAC 1	'ah' like in 'hot' 'ee' like in 'heat'	1		“Good. For /a/ the tongue is lower in the mouth than for /i/.” OR “Not quite. For /i/ the tongue is higher in the mouth. It’s lower for /a/.”
2.	'ooh' like in 'loon' 'aw' like in 'lawn'	2		
3.				
4.	'eh' like in 'bet' 'ee' like in 'beet'	1		
5.	'ooh' like in 'hoot' 'uh' like in 'hut'	2		
6.	'ah' like in 'hop' 'oh' like in 'hope'	1		
7.	'oo' like in 'foot' 'aw' like in 'fought'	2		
8.	'ey' like in 'hate' 'ee' like in 'heat'	2		
9.	'ah' like in 'hot' 'ooh' like in 'hoot'	1		

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Part D. Which vowel is higher?

Press '1' or '2' to indicate if the participant chose the first or the second response.

		Correct	Incorrect Production	Comments
1.	'aw' like in 'lawn' 'ooh' like in 'loon'	2		
2.				
3.	'ee' like in 'beet' 'eh' like in 'bet'	1		
4.	'uh' like in 'hut' 'ooh' like in 'hoot'	2		
5.	'ah' like in 'hot' 'ee' like in 'heat'	2		
6.	'oh' like in 'hope' 'ah' like in 'hop'	1		
7.	'aw' like in 'fought' 'oo' like in 'foot'	2		
8.	'ooh' like in 'hoot' 'ah' like in 'hot'	1		
9.	'ee' like in 'heat' 'ey' like in 'hate'	2		