

Articulation of Speech Sounds

Why Is Articulation Important in Speech?

Reviewed: 5 June 2025

Articulation focuses on <u>pronunciation and talking</u>. It deals with a person's ability to move the lips, tongue, teeth, and jaw to produce speech sounds. The practice of it is also called *traditional articulation therapy*.

- it supports and improves the formation of words and sounds and determines how well you can be understood by those on the receiving end of your verbal information.
- it determines how well sounds, words, and sentences are produced and how clearly they can be interpreted by others.
- good articulation helps one engage in reciprocal conversations with ease and fluency.
- it affects how their language and social skills develop. Literacy skills, such as <u>reading</u> and spelling, are also influenced by articulation.
- The speaker also needs to use appropriate English patterns of stress, rhythm, and intonation.

There are four stages in the articulation of a speech sound: (1) get the lips into position * (2) produce the sound * (3) stop the sound * (4) relax the sound. The speaker also needs to use appropriate English patterns of stress, rhythm, and intonation.

Source: https://speechandsoundclinic.com/

Vocalization (VOC) Code:

v = voiced - vocal chords vibrate, all the vowel sounds are voiced

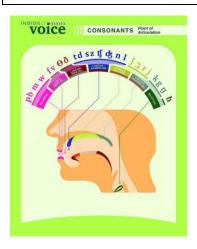
un = unvoiced - vocal chords do not vibrate (some consonant sounds such as /z/ are voiced, others, such as /s/ are

unvoiced

c = continuant - sound can be continued as long as the speaker has breath, for example /s/, /m/ and /l/

s = stop - the sound just stops and cannot be continued, for example /b/, /p/ and /t/

n = nasal - sound comes through the nose, for example /n/ and /ng/



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Consonant Sounds

The consonant sounds chart indicates which parts of the speech mechanism are used to pronounce English consonant sounds and how the sounds are produced. Also known as Speech Articulation. Note that the letter inside the slashes / / in the first column represents the sound – not the letter. This sound can often be spelled in different ways. Examples of both are included in the second column.

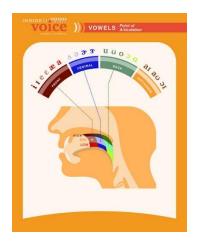
Sound	As in	Voc Code	How sound is made	
/b/	b ird kno b	V, S	Stop air with lips together, open with a small puff of breath. Voiced equivalent of /p/.	
/c/	c up	un, s	Tongue tip down, back of tongue touching lower teeth.	
	du ck	S	Stop air with arch of the tongue and emit breath from back of throat.	
	s ch ool		Unvoiced equivalent of /g/.	
/d/	di sh	V, S	Lips and teeth slightly parted.	
	roa d		Stop air with tongue tip touching roof of mouth just behind upper teeth.	
			See lower surface of tongue – tongue is dropped as breath is expelled. Voiced equivalent of /t/.	
/f/	fi sh, ph one,	un, vc	Lower lip touching upper teeth lightly. Breath sound, continuant.	
	lau gh , sta ff		Unvoiced equivalent of /v/.	
/g/	g irl, l eg	V, S	Tongue tip down, touching back of lower teeth.	
			Stop air with arch of the tongue and emit breath from the back of the	
			throat. Voiced equivalent of /k/ or /c/.	
/h/	h and, be h ind	un, c	Has no position of its own. Position the tongue for the vowel following	
			it and give a breath sound with no voicing. A continuant.	
/j/	j ump, g entle	v, s + c	A continuation of /d/ and /zh/.	
	g in g er, ba dg e		Lips forward. Start with tongue tip touching the roof of the mouth	
			behind the teeth (in the position for making a/d/). Stop the air; then	
			release as a continuant. Voiced equivalent of /ch/.	
/k/	k itchen, mar k ,	un, s	Tongue tip down touching back of lower teeth.	
	si ck, c up, Ch ris		Stop air with arch of the tongue and emit breath from back of throat.	
			Unvoiced equivalent of /g/. Same as /c/.	
/\/	leg, roll, babble,	V, C	Tongue tip touches just behind the upper teeth.	
			Air comes out along the side(s) of the tongue. This is a voiced sound.	
/m/	m an, le m on,	v, c, n	Lips together. Air passes through the nasal cavity instead of the mouth.	
	sa m e		This is a voiced sound, a nasal sound, and a continuant.	

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/n/	n eck, ca n al,	v, c, n	Lips and teeth slightly parted. Tongue tip up touching the roof of the	
	fi n e, kn ow,		mouth just behind the upper teeth. Lower surface of tongue shows. Air	
	Ann		passes through the nasal cavity instead of mouth. This is a voiced	
			sound, a nasal sound, and a continuant.	
/p/	pa n	un, s	Stop air with lips together, open with a big puff of breath.	
	s n ap		Unvoiced equivalent of /b/.	
/r/	r iver	V, C	Tongue tip up – near the front of the roof of the mouth, but not	
	wr ite		touching. Lips forward and squared. Round lips before voicing. This is a	
			voiced sound and a continuant.	
/s/	s nake, c ity	un, c	Teeth close but not touching. Tongue tip approaches roof of mouth just	
	mi c e, c ent		behind the upper teeth, making a narrow opening. Air streams through	
	bi c ycle, ba ss		this opening. A continuant and a breath sound. Unvoiced equivalent of	
	,		/z/.	
/t/	tent, melt,	un, s	Lips and teeth slightly parted. Stop air with tongue tip touching roof of	
	mi tt		mouth just behind upper teeth. Lower surface of tongue shows.	
			Tongue is dropped as a breath is expelled. Unvoiced equivalent of /d/.	
/v/	v alley,	V, C	Lower lip touching upper teeth slightly. A continuant. Voiced equivalent	
	ha v e	,	of /f/.	
/w/	w oman, re w ard,	V, C	Lips forward and rounded. Air passes through opening. Tongue is in a	
	wh istle, kne w	,	neutral position. This is a voiced sound and a continuant.	
			Note: /wh/ sound pronounced as above. A continuant and a consonant	
			digraph.	
/y/	y ells, u se	V, C	Lips relaxed; teeth close together. Middle of tongue moves toward roof	
, y ,	(/yooz/)	۷, ۵	of the mouth without touching. Air passes over the top of the tongue.	
	(1 y 0 0 21)		This is a voiced sound as in /ee/ and a continuant.	
/z/	z ipper, qui z	V, C	Teeth closed but not touching. Tongue tip down.	
1 41	hi s , teache s	۷, С	A continuant. Voiced equivalent of /s/.	
	· ·		A continuant. Voiced equivalent of 757.	
	kid s , fu zz			
	egg s			

/zh/	mea s ure televi si on, a z ure, re g ime	V, C	Lips forward and squared. Teeth close but not touching. Tongue tip close to middle of roof of mouth. Tongue sides are up, forming a groove. Air passes through the groove. Voiced equivalent of /sh/.	
/sh/	sh op, bu sh ch icane, mi ss ion,	un, c	Lips forward and squared. Teeth clos but not touching. Tongue down. Tongue has wider groove than in the /s/ sound. Continuant breath	
	cap ti on,ma ch ine,		sound. Unvoiced equivalent of /zh/. A consonant digraph.	
	s ure			
/th/¹	th anks	un, c	Tongue touches both upper and lower teeth. A continuant breath	
	four th		sound. Unvoiced of /th/ ² . A consonant digraph.	
/th/²	th e, mo th er,	V, C	Voiced sound of /th/ ² . A continuant and a consonant digraph.	
	brea th e			
/ch/	ch ildren, kit ch en,	un, s + c	A combination of /t/ and /sh/. Lips forward. Start with tongue tip up	
	mu ch , mat touching the roof of the mouth behind the teeth (in the positio		touching the roof of the mouth behind the teeth (in the position for	
			making a /t/ sound. Stop the air; then release as a continuant. Unvoiced	
			equivalent of /j/. A consonant digraph.	
/ng/	ring	v, c, n	Lips open. Tongue tip down behind lower teeth. Back of tongue	
			touches back of roof of mouth. Air passes through the nasal cavity	
			instead of mouth. This is a voiced sound, a continuant sound, and a	
			consonant digraph.	

Combination Sounds with /k/

/k/ + /w/	qu arter, ac qu aint	(un, s) _ (v, c)	See /k/ and /w/. The two sounds are produced one after the other in combination. In written English, q is always followed by u except for Qatar, Aqaba etc. However, in these cases the sound is /k/, not /k/ + /w/!
/k/ + /s/	bo x , loo ks pic ks	(un, s) + (un, c)	See /k/ and /s/. These two sounds are produced one after the other in combination.



Vowel Sounds

All vowel sounds are voiced continuants. They can be described by

- where in the mouth the tongue forms a hump.
- whether the lips are rounded or unrounded.
- whether the muscles of the lips and tongue are tense (tightened slightly) or lax (relaxed).

The best way to describe how a vowel sound is made is to indicate the position of the tongue hump. The following chart shows where the tongue hump is positioned for each of the English vowel sounds.

	Front	Central	Back
High	/ē/ beat		/oo/ boot
	/i/ bit		/uu/ book
Mid	/ā/ bait	/er/ bird	/ō/ boat
	/e/ bet	/u/ but	/aw/ bought
			/ow/ hound
Low	/a/ bat	/o/ pot	

Sound	As in	VOC	How sound is made	
		Code		
Front				
/ē/	ea t, eel , w e , thr ee , k e y	V, C	Lips drawn back, teeth close together. High/front, tense, unrounded.	
/i/	in, bit, if, Lynn	V, C	Lips and teeth slightly closer together than for /e/. Lower high/front, lax, unrounded	
/ā/	c a ke, b ai t, r at e p ai nt, d ay	V, C	Mouth open, teeth about a half inch apart. Tongue down. Mid/front, tense, unrounded.	
/e/	b e t, f ea ther, h ea d, E d	V, C	Lips and teeth slightly closer together than for /a/. For better use with students, compare only with sound already learned – not long vowels.	
/a/	a pple, b a t	V, C	Wide jaw opening. Tongue down. Low/front, lax, unrounded	
/air/	air, pair, stare,	V, C	Wide jaw opening. Tongue down. Low/front, lax, unrounded.	
Control	b ear			
Central	ban airl		Tangua tin dayun Ling farward almost squared Mid/sontrol	
/er/	h er , girl, bird, burn	V, C	Tongue tip down. Lips forward, almost squared. Mid/central. Tense.	
/u/	u p, b u t t ou gh	V, C	Medium jaw opening. Relaxed lips. Lower mid/central, lax, unrounded.	
/o/	o live, p o t	V, C	Low/central, lax, unrounded.	
/or/	do or , h or n	V, C	Lips forward with a "three-finger wide" opening.	
Back				
/00/	r oo m, b oo t,	V, C	Lips forward and rounded, with a "one-finger wide" opening.	
	fl u te, bl ue , ch ew		Prolong the sound. High/back, tense, rounded.	
/uu/	wood, book,	V, C	Lips forward, almost squared. Lower high/back, lax, rounded.	

	b u sh, c ou ld		
/ō/	y b oa t, h o me v, c Lips forward and rounded, with a "two-finger wide" opening		Lips forward and rounded, with a "two-finger wide" opening.
	sl ow , g o		Mid/back, tense, rounded.
/aw/	/aw/ law, all v, c Lips forward, wide jaw opening. A "three-finger wide" o		Lips forward, wide jaw opening. A "three-finger wide" opening.
	P au l, t au ght,	ght, Lower mid/back, lax, rounded.	
	th or n		

Diphthongs

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A vowel sound that starts out as one vowel and moves to another vowel sound position. Diphthongs are continuant, however, only on the second sound.

Sound	As in	Code	How sound is made	
/ai/	t i me, n i ght,	V, C	A diphthong combination that starts out as /ī/ and then moves to	
	I, tie, my		/ē/.	
/oi/	oil, boy	V, C	A diphthong. Combination of /aw/ and /ē/. Start with lips forward for /aw/, then draw back for /i/.	
/ou/	h ou se, h ow ,	v, c Starts out as /o/ (low/central) as in <i>pot</i> and moves to /uu/		
	ab ou t,		(lower/back) as in <i>book</i> .	
	m ou ntain			
/u-er/	c ur e, p ur e	V, C	Starts out as /yoo/ as in <i>uniform</i> and moves to /er/ as in <i>ermine</i> .	
	f ew er, lure			
/ow/	h ou nd, b ou nd,	V, C	Starts out as an /a/ sound and then moves to /w/.	
	l ou d, t ow er			
/ē/ +	ea r, car eer ,	V, C	Starts out as /ē/ and then moves to /er/.	
/er/	here , y ear , p ier			