

Guide for Parents

Sound	Ages (bracketed) ages indicate sound emerging; non-bracketed ages indicate sound in use	Sound specific processes
р	1;6 - 2;0 →	
b	1;6 - 2;0 →	
m	1;6 - 2;0 →	
W	1;6 - 2;0 →	
t	1;6 - 2;0 →	
d	1;6 - 2;0 →	
n	1;6 - 2;0 →	
ŋ (ng)	2;0 - 2;6 →	
k	(2;0 - 3;0) 3;0 - 3;6 →	May use as [t] until 3;6 – 4;0
g	(2;0 - 3;0) 3;0 - 3;6 →	May use as [d] until 3;6 – 4;0
h	2;0 - 3;0 →	
f	2;6 -3;0 →	May use as [p] or [b] until 2;6 – 3;0
S	$(2;6-3;0) \\ 3;0-3;6 \to$	May use as [t] or [d] until 3;6 May be distorted to "th" until 7yrs old (Porter & Hodson 2001
j (y)	2;6 – 3;0 →	
∫ (sh)	(3;0 - 4;0) 4;0 - 4;6 →	May use as [t] or [d] until 3;0 May use as [s] until 4;0 May be said in the middle of the mouth (palate) until 4;6
t∫(ch)	(3;0 - 4;6) > 4;6 →	May use as [t] or [d] until 4;0 May use as [ts] until 4;0 – 4;6 May be said in the middle of the mouth (palate) until 4;6
I	(3;0 – 3;6) 3;6 – 4;0 →	May use as [w] or "y" until 5;0
V	(3;6 -4;0) 4;0 - 4;6 →	May use as [b] until 4;0
Z	(3;6 – 4;0) 4;0 – 4;6 →	May use as [d] until 4;0
3 (zh)	(4;0 −4;6) > 4;6 →	May be said in the middle of the mouth (palate) until 4;6
dʒ (j)	(4;0 -4;6) > 4;6 →	May use as [z] until 4;0 – 4;6 May use as [d] until 4;0 May be said in the middle of the mouth (palate) until 4;6
J (r)	(4;0 −4;6) > 4;6 → 6;6	May use as [w] or "y" until 5;0 "r" emerging until 6;6
θ (th)	>4;6 → 7;0	May use as [f] or [v] until 7yrs "th" emerging from 4;6
ð (th)	> 4;6 → 7;0	May use as [d] until 4;0 May use as [f] or [v] until 7yrs "th" emerging from 4;6

How well words can be understood by parents (or primary carers)



By 18 months a child's speech is normally 25% intelligible



By 24 months a child's speech is normally 50 -75% intelligible



By 36 months a child's speech is normally 75-100% intelligible

Source: Lynch, J.I., Brookshire, B.L. and Fox, D.R. (1980). A Parent - Child Cleft Palate Curriculum: Developing Speech and Language. CC Publications, Oregon. Page 102 (cited by Bowen, 1998)

Consonant Clusters

(Adapted from McLeod, Doorn, & Reed, 2001)

Clusters are (at least) two consonant sounds said together, for example, <u>cl</u>own, <u>fl</u>ower, <u>st</u>op. Clusters can be found at the beginning, middle or end of many English words, some words even have *more than one* cluster.

Here are a few examples of words with clusters in them: <u>pl</u>an, <u>fl</u>ag, mi<u>st</u>er, ho<u>spital, gasp</u>, bo<u>lt</u>, <u>squ</u>are (<u>skw</u>are), <u>spr</u>ing, <u>thr</u>ee, mi<u>nstr</u>el, <u>str</u>awberry (sometimes said <u>strawbry</u> which makes two clusters in one word), reads, walks.

Sounds spelled with two letters do not always make a cluster, for example, all of these sounds are written with two letters, but only make one consonant sound: sh, ch, th. The letter 'x' is only one letter, but often makes two consonant sounds "ks" so could be a cluster in a word, e.g. "six".

Children as young as 2 years may master some clusters, yet other children will still struggle at 8-9 years old.



Clusters	Ages (adapted from McLeod et al)
tw, cl	3;6 – 4;0
sp, st, sk	4;6-6;0 (boys tending to be later than girls)
sm, sn	5;6-7;0 (boys tending to be later than girls)
SW	4;6 – 7;0
sl	6;0 – 7;0
pl, bl, cl, gl, fl	4;0 – 5;6
pr, br, tr, dr, cr, gr, fr	4;6 - 6;0
thr	7;0
skw (square)	4;6-7;0 (boys tending to be later than girls)
spl	6;0 – 7;0
spr, str, scr	5;0 - 8;0

Stages of cluster emergence:

- 1: One sound is used, while the other is omitted (blue \rightarrow b_ue or _lue)
- 2: Both sounds are marked in some way (blue $\rightarrow bw$ ue)
- 3: Both sounds are used appropriately (blue $\rightarrow blue$)

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