

Montgomery Township Schools
Department of Pupil Services - Speech/Language

Iowa-Nebraska Articulation Norms - 1996

Recommended ages of acquisition for phonemes and clusters, based on generally
on 90% levels of acquisition

Phonemes	Females	Males
/m/	3-0	3-0
/n/	3-6	3-0
/ng/	7-0 to 9-0	7-0 to 9-0
/h-/	3-0	3-0
/w-/	3-0	3-0
/y-/ (ie: yellow)	4-0	5-0
/p/	3-0	3-0
/b/	3-0	3-0
/t/	4-0	3-6
/d/	3-0	3-6
/k/	3-6	3-6
/g/	3-6	4-0
/f/ /f-/	3-6	3-6
/-f/	5-6	5-6
/v/	5-6	5-6
/th-/ (ie: thumb)	6-0	8-0
/th-/ (ie: that)	4-6	7-0
/s/	7-0 to 9-0	7-0 to 9-0
/z/	7-0 to 9-0	7-0 to 9-0
/sh/	6-0	7-0
/ch/	6-0	7-0
/j/ (ie: jump)	6-0	7-0
/l/ /l-/	5-0	6-0
/-l/	6-0	7-6
/r/ /r-/	8-0	8-0
/er/ (ie: butter)	8-0	8-0

Word Initial Clusters	Females	Males
/tw kw/	4-0	5-6
/sp st sk/	7-0 to 9-0	7-0 to 9-0
/sm sn/	7-0 to 9-0	7-0 to 9-0
/sw/	7-0 to 9-0	7-0 to 9-0
/sl/	7-0 to 9-0	7-0 to 9-0
/pl bl kl gl fl/	5-6	6-0
/pr br tr dr kr gr fr/	8-0	8-0
/thr/	9-0	9-0
/skw/	7-0 to 9-0	7-0 to 9-0
/spl/	7-0 to 9-0	7-0 to 9-0
/spr str skr/	7-0 to 9-0	7-0 to 9-0