

## Progression of Sounds for Children with Hearing Loss Based on the Ling Method

### Suprasegmental Patterns

Duration

Intensity

Pitch

#### Vowels

##### Step 1

/ / hot

/i/ bee

/u/ two

/au/ cow

/ai/ pie

##### Step 2

/a/ saw

/oi/ boy

/E/ bed

/U/ book

/I/ pig

##### Step 3

/ae/ hat

/ʌ/ cup

/o/ boat

/ie/ cake

##### Step 4

r-colored vowels

#### Consonants

##### Step 1

\*b/p

stop b/p

w/wh

h

f/v

th/th

\*m

##### Step 2

d/t

stop d/t

/j/ (y)

n

L

\*sh/zh

\*s/z

##### Step 3

g/k

stop k/g

ng

r

ch/dg

##### Step 4

Voicing Contrasts

Initial Consonant Blends

Final Consonant Blends

\* cochlear implant users may have more difficulty with /m/, p/b,  
while s/sh may emerge sooner

- Make sure the child can hear the sound you are working on –if not, why not?
- Duration patterns typically develop first
- Intensity- Loud/Quiet- skill needed to help with cochlear implant programming
- Pitch – often more difficult for CI users who have had a longer duration of deafness
- Suprasegmentals can be highlighted through sound associations in play, and through songs and rhymes.
- B/p often more difficult for implant users to hear



- High frequencies are often more difficult for hearing aid users to hear- know your child's audiogram and consult with the audiologist
- Fricatives-develop first in the final position to promote airflow
- /s/ and "sh" often develop early for CI users

Nasals can be harder to hear with a CI but attainable- work with the programming audiologist- develop in the final position first

## **Resources**

Foundation of Spoken Language for Hearing Impaired Children, Daniel Ling –

Provides many helpful tips regarding speech acoustics, positions of sounds to develop first, developing sounds within a "set" and techniques to develop sounds. With the advancement in technology, working at a phonologic level is now emphasized rather than sound/syllable drills.

Speech That Works, Elizabeth M.Wilkes- Sunshine Cottage School for Deaf Children

A computer CD program that uses the Ling progression of sounds for developing a speech notebook, provides pictures and information regarding sound positions and techniques.

The Cottage Acquisition Scales for Listening, Language and Speech, Elizabeth M.Wilkes- Sunshine Cottage School for Deaf Children

Tracks the acquisition of speech skills at the phonetic and phonologic levels based on Ling's hierarchy while integrating listening development. The CASLLS also tracks semantics, syntax and morphology, pragmatics, listening and cognitive development using an integrated approach.

Heather Rose, M.A. CCC-SLP Cert. AVT  
[hrose@ohio.net](mailto:hrose@ohio.net)