Speech Developmental Milestones

Articulation
the production of speech sounds

**Acquired by Age:**

<table>
<thead>
<tr>
<th>Age</th>
<th>Sounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 yrs</td>
<td>p, b, m, n, t, d, h, w</td>
</tr>
<tr>
<td>3 yrs</td>
<td>y, k, g, f</td>
</tr>
<tr>
<td>4 yrs</td>
<td>l, v, s, z, ch, sh, j</td>
</tr>
<tr>
<td>5 yrs</td>
<td>r, zh, th (voiced)</td>
</tr>
<tr>
<td>6 yrs</td>
<td>th (voiceless)</td>
</tr>
</tbody>
</table>

Phonological Processes
patterns of sound errors that typically developing children use to simplify speech

**Process:**

- Final consonant deletion
- Voicing
- Devoicing
- Fronting
- Stopping of s, z, f, v
- Stopping of ch, sh, j, th
- Cluster reduction
- Weak syllable deletion
- Gliding

**Examples:**

- “toe” for “toad”
- “bye” for “pie”
- “pick” for “pig”
- “tup” for “cup”
- “dee” for “see”
- “dump” for “jump”
- “top” for “stop”
- “nana” for “banana”
- “wabbit” for “rabbit”

Intelligibility
the understanding and clarity of a child’s speech production

**Age:**

<table>
<thead>
<tr>
<th>Age</th>
<th>Sounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 yrs</td>
<td>50 to 80% of the time</td>
</tr>
<tr>
<td>4 yrs</td>
<td>90% of the time</td>
</tr>
<tr>
<td>5 yrs</td>
<td>100% of the time</td>
</tr>
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