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Speech-to-Text Readiness Checklist

Considerations for Improving Access to Teacher Instruction via Real-Time Speech-to-Text Translation



Student's Name _____ Grade _____ School _____

Date _____ Individual(s) Completing Checklist _____

The purpose of this checklist is to estimate the difficulty a student may have accessing verbal teacher instruction (grades 3-12) and to raise attention to information that should be considered when determining the appropriateness of providing Interact-AS real-time speech-to-text translation as a mediated communication accommodation.

Optimal access to classroom instruction is so important that the IDEA statute (20 USC 1400(c)(5)(H)) specifies "supporting the development and use of technology, including assistive technology devices and assistive technology services, to **maximize** accessibility for children with disabilities."

1. Student Skill Level

- a. What is the student's one-minute rate of oral reading fluency compared to class peers? _____ wpm
DIBELS goals: end of grade 3 = >110 wpm; grade 4 = >118 wpm; grade 5 = >124; and grade 6 = >125.

Teachers typically speak 100-125 words per minute (wpm); people *think* at 400-600 wpm and the average high school student *processes* information at 125 wpm. This means that students typically have the cognitive resources to think about information they hear, even as they glance down periodically to read speech-to-text captions for a few seconds.

- b. What is the student's reading comprehension level compared to class peers? _____ age/gr. equivalent
c. What is the student's receptive language level compared to class peers? _____ age/gr. equivalent

Total score for receptive language on an age appropriate test: much lower lower average higher much higher

- d. What is the student's level of listening comprehension? _____ age/gr. equivalent % compared to peers %

Obtain via specific listening comprehension tests or informal listening comprehension for passages compared to 2+ peers.

- e. When repeating age-appropriate single words, what is the student's score when using hearing device(s) and a teacher-student distance typical of classroom listening? listening only _____ % with speechreading _____ %

2. Student Classroom Performance

- a. SIFTER: Academics: P M F Attention: P M F Communication: P M F Class Participation P M F School Behavior P M F
Screening Instrument For Targeting Educational Risk completed: Elementary SIFTER Secondary SIFTER
- b. How distracted is the student by objects on body/desk (playing, moving, fussing)? Very 1 2 3 4 5 Not Very
- c. Compared to peers, how would you rate student's time on task/ability to focus? Poor 1 2 3 4 5 Good
- d. What is the level of responsibility/independent troubleshooting with hearing devices? Poor 1 2 3 4 5 Good
- e. Level of concern about student response to peer attention with embarrassment: No concern 1 2 3 4 5 High

3. Classroom Readiness to Use Interact-AS

- a. Has the classroom teacher had experience wearing a microphone? Yes No A bit 1 2 3 4 5 A lot
- b. Teacher's level of comfort with technology (computers, FM, etc)? Would rather not 1 2 3 4 5 Loves it!
- c. Does the student currently use a personal FM system? Yes No Would rather not 1 2 3 4 5 Loves it!
- d. Level of trust/confidence in likelihood that student will care for equipment? No concern 1 2 3 4 5 High
- e. How often does the teacher pass the microphone during class discussions? Never 1 2 3 4 5 Consistently
- f. Does the teacher have a laptop on his/her desk? Yes No Is a laptop available for student? Yes No
- g. Student's hearing loss been discussed with peers? Yes No Longtime stable peer group? Yes No
- h. Does the complement of class peers support a culture of acceptance without teasing, etc.? No 1 2 3 4 5 Yes

Interact-AS Options: Interact-AS can work with a student's FM system or independent of FM use.

Translation Software (permanent license) Classroom wireless headset (if no FM) Handheld pass around mic

Attachment for FM receiver to PC laptop Software upgrades (year 2, 3, 4) 30-day trial using wired headset mic

If teacher has a PC on desk, it can transmit to iPad on student's desk. Translation of teacher's voice can be received by multiple students with laptops/iPads in a single classroom. Mic/laptop accompanies student for classroom changes.