

Communication Technology

Assistive Technology- Gillian Cattet
Linguistic Technology- Gabrielle Sieben

Technology in Special Education

Assistive Technology

“Assistive technology device” means any item, piece of equipment, or product system, whether acquired commercially off the shelf, modified, or customized, that is used to increase, maintain, or improve functional capabilities of a child with a disability.
(Individuals With Disabilities Education Act, IDEA 2006)

Computer Accomodations For People with Visual Perceptual Deficits

- Zoom features, Text Size and High Contrast Devices
- Text-to-speech
 - Apple Voice Over
- Picture-Based, Talking Word Processors
- Audiobooks and Podcasts
- Braille Technology
 - Braille Keyboard Stickers

Technology to Improve Verbal Expression

Or AAC Technology

Augmentative and Alternative Communication (AAC)

Symbol- Based Apps

Text-to-Speech Software

Sign-Language Translator and Gesture Sensing Technology

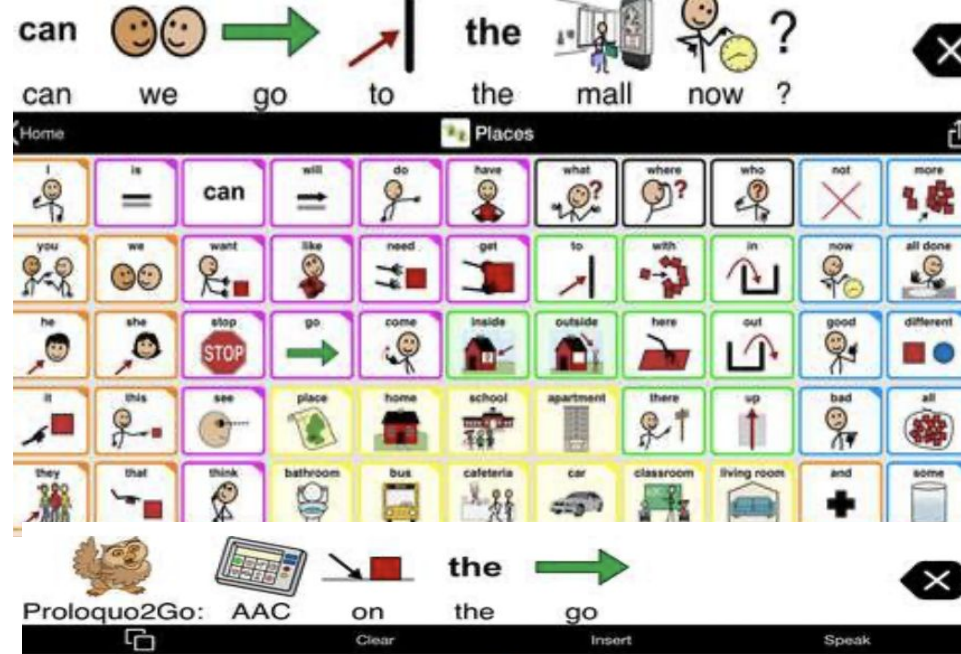
Proloquo2Go

Talk To Me Technologies

Symbol-Supported Communication

Beginning to Advanced Communication

Caters to a large range of fine motor, visual and cognitive skills



This is great! It gives me a vo



Eye -Tracking and Gaze Interaction-Based AAC Technology

Offers a means of accessing computers and speech generating devices for people with significant physical disabilities who have reliable voluntary eye movements

Technology and Increased Social Inclusion

Communication and Cognitive Skills Developed through Enjoyable Activities

- Integrated Classroom Settings
- Social Media
- Gaming and Online Interactive Communities

...the attainment of socially valued outcomes by socially valued means should be available for all people, and specifically for people with disabilities.

(Wolfensberger, 1972)

Integrative Educational Settings

“Significant progress occurs when a student participates at least partially in activities and has access to peers without disabilities” (Orellove 1991)

- **Technology can improve access to education and the quality of life for persons with cognitive disabilities**
- **Advocate for all Students- All students benefit from education**

Youtube for education



Introduction

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Language learning

- Brings authentic language into the classroom
- Practice listening skills
- Multimodal way of learning
- Something students probably already do in their spare time for fun

Effectiveness



Immersion

Cognition

Motivation

Some ideas on how to incorporate ...

- Homework assignments
- Listening exercises
- Add subtitles
- Vocab search
- Exploring regional dialects/accents
- Create their own video presentation

My experience

- Video in the ELL classroom at Vic High
- Music videos in French while volunteering at Yale Secondary