



Assistive Technology Domains

There are thousands of assistive technology (AT) supports that might assist a student to access, participate, and become more independent in a variety of school activities and tasks including both low- and high-tech options. The following is a chart that can help frame the various student needs that might warrant consideration and application of AT. The examples provided are just a small sampling of AT supports that are available within these domains. This chart is not intended to be an exhaustive list of possible solutions and should not be used as a way to select AT for a specific student. A careful assessment of needs which includes a feature-matching process is required for appropriate selection of specific AT to support a student. For more information about the AT assessment and implementation processes contact the [AT & AEM Center](#) at OCALI.

Areas of AT Consideration:

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|--|---|---|---|
| ☐ Reading | ☐ Writing: Composition | ☐ Writing: Motor Aspects | ☐ Math |
| ☐ Organization and Study Skills | ☐ Communication | ☐ Access to Electronic Devices | ☐ Mobility |
| ☐ Seating and Positioning | ☐ Vision | ☐ Hearing | ☐ Activities of Daily Living (ADL) |
| ☐ Recreation, Leisure and Play | ☐ Transportation | | |

Reading – Options for adapting reading materials and tools to support all aspects of reading.		
• Change in text size, spacing, color, background color • Page turner, fluffer • Accessible digital text • Highlighted text • Decodable text	• Book stands • Text-to-speech • Text summary • Digital conversion tools - scanners and OCR software, mobile scan-and-read apps	• Multimedia presentation formats • Tape/cd/mp3/audio books • Braille books • Concept maps • Digital books
Writing: Composition - Aids to support writing composition in the areas of grammar, spelling, drafting, composing, editing, and publishing.		
• Outlining software • Concept mapping	• Electronic spell and grammar check	• Word walls and word banks

• Writing templates • Electronic graphic organizer • Talking word processor • Picture supports to write about	• Word prediction • Handheld and inline electronic dictionary/thesaurus • Tools for citations and formats	• Voice recognition or speech-to-text software • Braille keyboard or notetaker • Braille printer
Writing: Motor Aspects - Options to support students who struggle with handwriting and other text generation methods.		
• Adapted grips for writing utensils • Adapted paper • Slant board • Portable word processor • Handheld scanners and apps	• Word processors • Specialized keyboards (large, small, programmable) • Word walls/word banks	• Weighted writing utensils • Guided notes • Writing guides • Recording devices • Accessibility features
Math - Options to support access to math activities.		
• Calculator • Adaptive calculators • Graph paper • Physical manipulatives • Virtual manipulatives	• Specially adapted math tools • Math modeling / graphing software • Enlarged worksheets	• Math processing software • Voice recognition for math equations
Organization and Study Skills –Supports to assist with self, time, materials, and information management.		
• Timers/Alarms • Schedules • Color coded folders • Calendars/Planners • Checklists • Highlighting • Electronic tools to reduce clutter and simplify information	• Reminders • Rubrics • Outlines • Guided notes • Cloud-based tools • Online formatting • Chunking / batching • Notebooks/Binders	• Templates • Sticky notes • Graphic organizers • Masking • Keywords • Recording devices • Sensory regulation tools
Communication - Supports for individuals who have difficulty being understood, and/or using or understanding language.		
• Picture communication systems • Object/Tactile	• Voice output • Voice amplification systems • Talking word	• Communication enhancement software • Communication wallet

communication systems • Computer based communication systems	processors • Visual scene communication boards	• Eye gaze boards
Access to Electronic Devices – Options to support the use of personal computing devices and consumer electronics.		
• Switch with scanning • Operating system accessibility features • Large TV remote • Voice activated artificial intelligence assistance (Siri, Alexa) • Alternative keyboards	• Mouthstick and headpointer • Alternative mouse pointer with on-screen keyboard • Head controlled mouse • Eye gaze system • Keyguard	• Touch screen • Voice recognition software (voice-to-text) • Screen reader • Screen magnification • Joystick/Trackball/trac kpad • Sip-and-puff
Mobility - Equipment that allows individuals to move as independently as possible.		
• Canes • Scooters • Grab bars / rails	• Walkers • Manual or power wheelchairs	• Building modifications and adaptations • GPS mobility devices
Seating and Positioning - Supports that allow the individual to maintain the best position for learning, work and other functional activities while reducing fatigue.		
• Non-slip chair surface • Footrest • Bolster • Adapted or alternate chair	• Sidelying frames • Chair insert • Head supports • Trays • Custom wheelchairs	• Adjustable bed • Seat cushions/wedges • Adapted desk/table • Standing frame
Vision - Visual supports including low vision aids or tactile systems such as braille and tactile graphics.		
• Large-print books • Tape/cd/mp3/digital format books • Magnifiers • Screen enlargers • Screen Readers • Beeping ball • Cane • Braille materials • Color filters • CCTV	• Text-to-speech software • Use of tactile or auditory materials • Braille keyboard or notetaker • Braille printer embosser • Screen magnification software	• Large screen/key calculator • High contrast keyboard • Talking calculator • Light box • Digital conversion tools such as scanners and OCR software • GPS tools

Hearing - Amplification, visual and haptic supports for those who are Deaf, hard of hearing or have difficulties with auditory processing.

- Amplifiers
- Closed captioning
- Classroom amplification

- Signaling/alerting devices
- Visual signals on the computer

- Personal FM systems
- Text messaging
- Vibrating watches /alarms

Activities of Daily Living - Tools that enable the individual to perform self-care/daily living tasks (i.e. feeding, dressing, toileting, grooming).

- Adaptive cups
- Jar/bottle opener
- Adapted door knobs
- Reachers/grabbers
- Restroom grab bars
- Hook and loop fasteners

- Specially designed toilet seats/showers
- Environmental control systems (e.g. keyless entry, voice activated lights, etc.)

- Adaptive grooming/dressing/ cooking/eating aids
- Home automation (Amazon Echo, Google Home, etc.)

Recreation, Leisure and Play – Options for accessing toys, sports activities, crafts and other leisure time activities.

- Adapted toys and games
- Adapted puzzles
- Switch activated toys
- Computer games

- Adapted art tools
- Modified stamps, scissors, paint brushes and drawing tools
- Beeping balls

- Adapted sporting equipment
- Adapted bicycle
- Battery operated recreational vehicles

Transportation - Adaptations to enable more independent travel within a wide range of environments.

- Spinner knobs for car steering wheels
- Ramps

- Foot pedal extensions
- Modified vehicle
- Adapted bikes and trikes

- Wheelchair lifts
- Adaptive driving controls