

Continuum of Assistive Technology Solutions

AREA of NEED	CHALLENGE	LOW TECH SOLUTIONS	MEDIUM TECH SOLUTIONS	HIGH TECH SOLUTIONS
WRITTEN OUTPUT (Motor)	<ul style="list-style-type: none"> • Holding a pencil • Producing print in space provided • Far-point copying tasks (from board/overhead projector, etc.) • Near-point copying tasks (from text/ handout, etc.) • Producing legible print • Producing legible print at grade level pace • Following lines on paper • Completing forms • Completing bubble answer sheets • Producing correct size print (too big/too small) • Using correct amount of pressure (too hard/too soft) • Keeping paper in place • Highlighting important information • Erasing text 	<ul style="list-style-type: none"> • Variety of pens/pencils (based on color, size, tactile feedback, etc.) • Adaptive pen/pencil grips • Adaptive paper (raised line, highlighted lines, etc.) • Slant board • Personal dry erase board • Non-slip writing surface (syceum) • Pre-written words/phrases/ sentences, etc. • Writing templates & skeletal notes/outlines 	<ul style="list-style-type: none"> • Portable word processor • Tape recorder for dictated responses & note taking • Note taking devices (SmartBoard, Braille writer, adapted tape recorder) 	<ul style="list-style-type: none"> • Computer with word processor • Graphic-based word processor • Software for: <ul style="list-style-type: none"> ○ Spelling and grammar check ○ Webbing/Outlining ○ Word prediction
WRITTEN OUTPUT (Composition)	<ul style="list-style-type: none"> • Completing brief & constructed responses • Responding to selected & fill-in-the-blank inquiries • Spelling • Note-taking: • Accurate notes from dictation (independent notes are incomplete or erroneous) • Complete notes from dictation (independent notes are taken too slowly) • Meaningful notes (independent notes include extraneous information) • Using correct sentence structure, syntax • Organizing paragraphs 	<ul style="list-style-type: none"> • Word cards • Word booklets • Word Wall • Pocket dictionary • Pocket thesaurus • Writing templates • Sentence & story starters 	<ul style="list-style-type: none"> • Electronic/speaking spell checker • Electronic/speaking dictionary and/or thesaurus • Portable word processor • Tape recorder for dictated responses & note-taking • Note-taking devices (Smartboard, Braille writer, adapted tape recorder) 	<ul style="list-style-type: none"> • Computer with word processor • Graphic-based word processor • Software for: <ul style="list-style-type: none"> ○ Spelling and grammar check ○ Webbing/Outlining ○ Word prediction

AREA of NEED	CHALLENGE	LOW TECH SOLUTIONS	MEDIUM TECH SOLUTIONS	HIGH TECH SOLUTIONS
	<ul style="list-style-type: none"> • Transferring thoughts or verbal response to print • Editing written work 			
READING	<ul style="list-style-type: none"> • Letter identification • Sight vocabulary • Visual tracking • Turning pages • Reading accuracy (misreading words due to transpositions, deletions, etc.) • Comprehension 	<ul style="list-style-type: none"> • Change size of text • Change spacing, text color, background/contrast • Picture symbols with text • Slant board & book holders • Predictable books • Page fluffers (for turning pages) • Color overlays • Tracking strategies (reading window, bar magnifier) 	<ul style="list-style-type: none"> • Electronic/speaking spell checker (device reads individual words to student) • Reading pen • Audio-taped books • Electronic books 	<ul style="list-style-type: none"> • Computer with talking word processor • Software for: <ul style="list-style-type: none"> ○ Text enlargement ○ Text reading ○ Webbing/Outlining • Advanced reading aids (Kurzweil, WYNN, SOLO) • Solutions for converting text into alternative formats (scanner with OCR software, Braille translation software, Braille printer, etc.)
MATH	<ul style="list-style-type: none"> • Number sense & numeration • Organizing math work on paper • Problem-solving • Conceptual understanding: • Computation • Logical & critical thinking • Patterns & relationships • Estimation • Measurement • Fractions/Decimals/Percents 	<ul style="list-style-type: none"> • Classroom and desktop number lines • Manipulatives • Abacus • Multiplication Tables • Math facts charts • Worksheets with enlarged print & space for problem solving • Modified paper (bold lines, raised lines, grid paper) 	<ul style="list-style-type: none"> • Calculator with: <ul style="list-style-type: none"> ○ Large keys ○ Speaking features (auditory feedback) ○ Large print displays ○ Embossed output (Braille) 	<ul style="list-style-type: none"> • Computer with onscreen calculator • Electronic worksheet software (MathPad, Access to Math) • Adapted measuring devices • Voice recognition software (for inputting data) • Alternative keyboards (for inputting data)
LISTENING	<ul style="list-style-type: none"> • Auditory discrimination • Auditory processing (verbal directions & information) • Auditory comprehension (stories read aloud, lectures, etc.) 	<ul style="list-style-type: none"> • Preferential seating • Teacher proximity • Elimination of extraneous noise (air vents, etc.) • Chunking directions • Visual cues 		<ul style="list-style-type: none"> • Personal amplification system • Tape recorder with indexing capability • SmartBoard for transferring written notes to student computers • Voice-to-text software to transfer teacher lecture • Closed captioning, real-time captioning

AREA of NEED	CHALLENGE	LOW TECH SOLUTIONS	MEDIUM TECH SOLUTIONS	HIGH TECH SOLUTIONS
STUDY SKILLS	<ul style="list-style-type: none"> • Information recall • Sequential tasks • Distinguishing relevant & irrelevant information • Initiating tasks • Completing assignments • Eliminating distractions • Prioritizing • Pacing • Self-monitoring • Time management • Completing multi-step projects 	<ul style="list-style-type: none"> • Printed schedules with visual cues • Color coding • Highlighted text • Systems for organization (binders w/ dividers, pocket folders, etc.) 	<ul style="list-style-type: none"> • Tape recorder for reviewing material • Recorded material from class • Voice output reminders • Electronic organizers • Single word scanners • Hand-held scanners 	<ul style="list-style-type: none"> • Computer-based organizer with adapted input/output • Speech prompting devices • Voice-to-text software for converting teacher lecture to text • SmartBoard for transferring teacher lecture to text • Concept development & graphic organizer software