

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

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	<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

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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