

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 (color, size, tactile feedback, etc.) • Adaptive pen/pencil grip • Adaptive paper (raised line, highlighted lines, etc.) • Slant Board • Personal dry erase board • Non-slip writing surface • Pre-written words/phrases/sentences • Writing templates & skeletal notes/outlines 	<ul style="list-style-type: none"> • Portable word processor • Voice recorder for dictated responses and notetaking • Speech to text and voice notes (e.g. OneNote) 	<ul style="list-style-type: none"> • Computer with word processor • Graphic-based word processor (e.g. Clicker 7) • Software for: <ul style="list-style-type: none"> ○ Spelling and grammar checks ○ Webbing/outlining (e.g. Clicker 7, Inspiration) ○ Word prediction (e.g. CoWriter, Clicker 7)
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) 	<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 • Voice recorder for dictated responses & note-taking 	<ul style="list-style-type: none"> • Computer with word processor • Graphic-based word processor (e.g. Clicker 7) • Software for: <ul style="list-style-type: none"> ○ Spelling and grammar checks (e.g. Read Write) ○ Webbing/outlining (e.g. Clicker 7, Inspiration)

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<http://www.kent.k12.wa.us/cms/lib/WA01001454/Centricity/Domain/592/Assistive%20Tech/ATResourcesChart.pdf>

	<ul style="list-style-type: none"> • Complete notes from dictation (independent notes are taken too slowly) • Meaningful notes (independent notes include extraneous information) • Using correct sentence structure, syntax • Organizing paragraphs • Transferring thoughts or verbal responses to print • Editing written work 		<ul style="list-style-type: none"> • Note-taking devices (Braille writer, adapted voice recorder) • Speech to text and voice notes (e.g. OneNote) 	<ul style="list-style-type: none"> ○ Word prediction (e.g. CoWriter, Clicker 7)
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 • Color overlays • Tracking strategies (reading window, bar magnifier) 	<ul style="list-style-type: none"> • Electronic/speaking spell checker (device reads individual words to student) • 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 (e.g. SnapRead, Read Write) ○ Webbing/Outlining • Advanced reading aids • Solutions for converting text into alternative formats (Braille translation software, Braille printer, etc.)
MATH	<ul style="list-style-type: none"> • Number sense & numeration • Organizing 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 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 • 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) 	<ul style="list-style-type: none"> • Elimination of extraneous noise (air vents, etc.) • Chunking directions • Visual cues 		<ul style="list-style-type: none"> • Personal amplification system • Tape recorder with indexing c • Voice-to-text software to transfer teacher lecture

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	<ul style="list-style-type: none"> • Auditory comprehension (stories read aloud, lectures, etc.) 			<ul style="list-style-type: none"> • Closed captioning, real-time captioning • FM System
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 • Concept development & graphic organizer software
COMMUNICATION	<ul style="list-style-type: none"> • Asking for help • Commenting • Protesting • Requesting preferred items • Asking and answering questions • Demonstrating knowledge 	<ul style="list-style-type: none"> • PODD book • PECS • Communication book • Communication cards • Core board 	<ul style="list-style-type: none"> • Go Talk • Single Message Switch • Eye Gaze board 	<ul style="list-style-type: none"> • Speech Generating Device • Smart phone • Apps • Text to speech • Tablets • Computers
INDEPENDENT PARTICIPATION AND ACCESS	<ul style="list-style-type: none"> • Navigating environment • Motor planning for activities • Engagement and participation • Independence with all tasks • Self-Management 	<ul style="list-style-type: none"> • Visual Schedule • Checklists • Visuals 	<ul style="list-style-type: none"> • Timers • Switches • Switch interfaces • Recordable reminders • Digital calendars 	<ul style="list-style-type: none"> • Apps • Smart phones • Tablets

****Medium and High Tech items require AT Process****