

1. Assistive Technology Ideas for Aids to Daily Living

STRATEGIES AND MODIFICATIONS	LIGHT-TECH	HIGHER-TECH
<ul style="list-style-type: none"> • Reduce clutter • Daily schedule • Weekly schedule • Color coding for location and identification • Clear simple directions • Break information down into small steps • Model the activity • Provide examples • Teach skill to over-learning and generalization • Establish routines and timelines • Provide lists • Use pictures for cues, recipes, for lists • Provide guided practice in real situations • Personal care assistant 	<ul style="list-style-type: none"> • Non slip materials – Dycem, shelf liner • Universal cuff to hold items in hand • Adapted drinking cup – i.e. Nosey Cup, cup with handles, weighted cup, cup with lid • Adapted eating utensils with foam handles • Scoop plates, guards for plates • Rocker knife • Adapted cooking utensils • One handed can opener • Button hook or loop • Adapted toothbrush • Raised toilet seat • Toilet splash guard • Shower rails • Shower chair • Electric toothbrush • Long handle shoe horn • Adapted posts and pans with built-up handles • Reachers • Lowered counter/work space • Sock aid • Bibs • Dressing sticks • Velcro fasteners on clothing • Toilet aids • Velcro shoe fasteners 	<ul style="list-style-type: none"> • Light switch extension • Interface and switch to activate battery operated devices • Interface and switch to turn on electrical appliances (radio, fan, blender) • Radio/ultrasound to remote-control appliances • Electronic aid to daily living to control environment in connection with an augmentative communication device • Automatic self-feeder • Books on tape <p>Computer/Software</p> <ul style="list-style-type: none"> • Organization/reminder software • Software that teaches daily living skills • Money skills for learning and for budgeting • Internet access • Writing with symbols • Templates for writing • Text-reading software

2. Assistive Technology Ideas for Computer Access

STRATEGIES AND MODIFICATIONS	LIGHT-TECH	HIGHER-TECH
<ul style="list-style-type: none"> • Use built-in accessibility features of a computer • Built-in spelling and grammar check, thesaurus • Glare reduction • Adjust contrast • Change background, font color • Positioning at the computer, optimal for client • Lighting • Arms supported as needed • Peer support or assistance • Participation in group activities 	<ul style="list-style-type: none"> • Adapted mouse • Trackballs or trackpads • Joystick • Head pointer/mouth stick • Magnifiers • Increase font size • Key guards • Switches • Numeric keyboard used as mouse • Key caps • Stickers on keys • Moisture guards • Keyboard covers, flaps and templates • Letter board • Key caps with Braille • Tactile displays for alternate keyboards 	<ul style="list-style-type: none"> • Adapted or Alternative keyboards (various) • Braille printers and displays • Touch window • Head pointing systems • Scanners • Optical Character Recognition (OCR) • Amplification • Eye pointing/camera systems • Switch with Morse Code • Switch with scanning • Magnification software • Voice recognition software • Screen readers • Text readers • Word prediction • Abbreviation/expansion software • On-screen keyboard • Predictive keyboards • Computer access from Augmentative Alternative Communication (AAC) device • Interactive whiteboard • Interactive whiteboard software • Preprogrammed multiswitch input boxes • Programmable multiswitch input boxes

3. Assistive Technology Ideas for Hearing

STRATEGIES AND MODIFICATIONS	LIGHT-TECH	HIGHER-TECH
<ul style="list-style-type: none"> • Pen/pencil for writing • Picture communication • Sign language or finger spelling • Dry erase board • Meaning of facial expressions, gestures, body language • Always face the student/client • Gently touch shoulder to gain attention • Gain attention before you start speaking • Speak slowly, naturally and clearly • Do not exaggerate your lip movements • Break up longer sentences into smaller ones • Repeat new vocabulary in different contexts • Sequence topics relating to that previously learned • Use written announcements for assignments, due dates, exam dates, changes in schedule, special event dates • Provide outline of lesson/activity in advance • Use captioned films, videos • Avoid seating in heavy traffic areas • Seat near speaker • Do not talk while writing at the chalkboard • Eliminate background noises • Avoid standing where light source can cause glare when speaking • Work from concrete to abstract • Keep your hands away from your face when speaking • Maximize the use of visual media • Establish an in-case-of-emergency procedure • Use a note-taker or interpreter 	<ul style="list-style-type: none"> • Flashing light for signaling phone, doorbell, fire alarm • Carbonless note taking paper • Talk about it – feelings cards • Vibrating alert • Vibrating alarm • Phone amplification 	<ul style="list-style-type: none"> • TDD/TTY for phone access with or without relay • Closed captioning • Real time captioning • Hearing aid • Cochlear implant • Personal amplification system • FM loop or loop system • Infrared system • Auditory trainer • Environmental alerting devices <p>Computer/Software</p> <ul style="list-style-type: none"> • Portable word processor • Computer aided note-taking • Screen flash for alert signals on computer

4. Assistive Technology Ideas for Math

STRATEGIES AND MODIFICATIONS	LIGHT-TECH	HIGHER-TECH
<ul style="list-style-type: none"> • Reduce clutter on desk • Seating position • Extended time for assignments/tasks • Reduced or alternative assignments/tasks • Use clear, simple directions with examples and checks for comprehension • Peer tutor/cross age tutor &/or volunteer • Allow manipulatives/counters/calculators • Functional application of math skills • Adapt worksheets and packets • Teach “counting on” & other math strategies • Alter type of information (i.e. give answer first) • Use visual cues (see light tech) • Large print • Use alternative page set-ups • Reduce number of items on page • Provide adequate space for students to write out solutions • Follow a standard format for worksheets • Use white space, boxes to fill in, individual cards with answers or answered problem • Eliminate need to copy problems • Minimize number of items on page • Avoid mixing “signs” on page • Teach imagery techniques • Use mnemonic devices • Use “Finger Math” http://klingon.cs.iupui.edu/~aharris/chis/chis.html 	<ul style="list-style-type: none"> • Manipulatives (blocks, magnetic objects, etc.) with or without templates • Abacus (regular or enlarged) • Visual cues (# line, posters, templates, etc.) • Note cards with terms/symbols as memory triggers • Use fact charts or Math dictionary • Dotted, highlighted or graph paper to line up math problems • Graph paper for place value • Circle or highlight computation sign • Calculators • Dice made with large squares of foam • Counting mat or boxes • Number line on desk • Mini whiteboard/chalkboard • Alter workbooks/worksheets • Flash cards w/ string & beads attached • Walking number line on floor • Multiplication grid • Lined paper turned sideways for columns • Card holders • Number stamps • Computational aides • Containers for counters • Tangrams • Geoboards • Visual/interactive support -overhead projector 	<ul style="list-style-type: none"> • Talking calculators • Printing calculators • Braille calculator • Calculator with large keys, LCD, printout • Voice output measuring devices • Tactile graphics &/or measuring tools • Conversion calculators • Coin-U-Lator <p>Computer/Software</p> <ul style="list-style-type: none"> • On-screen calculator • Enlarged &/or talking &/or printing calculator • Software with templates for computation • Software for manipulation of objects • Accessibility Options in Control Panel • Software for adapted input methods • Simulation software for money skills, budgeting, etc. • Math talking worksheet software • Spreadsheet software • Graph making software • Interactive online math activities • Word Equation Editor • paint program to complete worksheet • PowerPoint activities • Math freeware and shareware

5. Assistive Technology Ideas for Reading

STRATEGIES AND MODIFICATIONS	LIGHT-TECH	HIGHER-TECH
<ul style="list-style-type: none"> • Seating position • Extend time for assignment/tasks • Use alternative assignments/tasks • Seating needs (hearing, seeing, distractibility, noise level, traffic pattern, near teacher or peers, etc.) • Desk modifications (lip on one side, match height to student, remove bin from underneath, stand rather than sit, use two desks to allow for movement) • Reduce clutter on desk • Supply appropriate reading level • Provide means for self-selection of books • Reduce # of items and/or items on a page • Tape tests, untimed tests, or use a reader • Allow alternative methods to demonstrate comprehension • Select question format carefully • Teach and review test-taking vocabulary • Teach strategies to prepare for different types of tests/assignments • Provide extra cues or prompts • List critical vocabulary for content material • Provide discussion questions before reading • Easy access to books • Discuss assignments before reading • Use extra space between lines of print • Change text size, spacing, colors, etc. • Use student interest 	<ul style="list-style-type: none"> • Slant board • Book holder • Page fluffers to help turn pages • Page extenders to turn pages • Laminate book pages • Enlarged print • High contrast materials • Tactile enhancements • Lighting adjustments (more, less, direction) • Books on tape • Highlight key points in textbooks and notes • Rubber tabs to turn page • Paper clips and a magnet to turn pages • Loose-leaf notebooks and page protectors • Word/sentence windows to guide reading • Eye gaze to choose books • Large print books • Pictorial directions • Add pictures, symbols, and/or signs • Label important items in room • Classroom devices with speech output • Teacher-created books • Letter/word tiles, scrabble tiles, magnetic • Highlight/mark syllables or target words • Magnifying ruler/word windows • Mini-flashlight • Word searches, crosswords, mazes • Reading window, showing one line of text • Props to support comprehension 	<ul style="list-style-type: none"> • Electronic book readers • Voice recorder with/without adapted controls • Electronic/talking dictionary/thesaurus • Electronic page turner • Devices with speech output • Reading pens <p>Computer/Software</p> <ul style="list-style-type: none"> • Projector for showing reading material • Talking word processors with/or without earphones • Built-in accessibility options in Control Panel • Large, high resolution monitor • Screen magnifier • Change colors on software (background or font) • Braille output device • E-text • Storybook software • Download books from internet and upload to talking word processor (text-to-speech) • Scanner with OCR software to capture text and prepare it for use with text-to-speech • Single switch software for reading • Interactive reading software • PowerPoint to create clickable lessons • Enhance with definitions/explanations • Project Intersect http://cate.uoregon.edu • Interactive whiteboard

6. Assistive Technology Ideas for Recreation and Leisure

STRATEGIES AND MODIFICATIONS	LIGHT-TECH	HIGHER-TECH
<ul style="list-style-type: none"> • Special Olympics • Big Brothers • Big Sisters • Scouts • Exercises, program and adaptive equipment • Modify game rules for simplicity • Pinch hitter • Interpreter – oral, sign, visual • Field trip – accessible bus • Research whether facility is accessible 	<ul style="list-style-type: none"> • Toys adapted with Velcro, magnets, handles; for switch activation • Adapted sporting equipment • Lighted or beeping balls • Universal cuff/strap to hold objects • Modified utensils • Modified stamps with handles • Adapted spinners • Playing card holder • Water wings • Safety helmet • Tape recorder • Enlarged print • Picture books • Lifted pages; page fluffers • Templates • Book stands or holders • Ramp in the sand • Adaptive devices for eating out • Switches • Grips • Pool cue holder • Driving aids • Spin art • One-handed fishing rod • Adapted puppet stands 	<ul style="list-style-type: none"> • Arm supports • Electronic aids to control TV, VCR, CD and DVD players • Swimming pool lift • Modified transportation • Adapted playground equipment • Special trikes, bikes • Closed captioning • Brailed games • Electronic book readers • MP3 players with adaptations <p>Computers/Software</p> <ul style="list-style-type: none"> • Draw and paint programs • Computer games • Simple access game spinners • Single switch software • Voice recognition software • Sticky keys • Touch screen • Interactive white board • Programmable multi-switch input boxes • Pre-programmed multi-switch input boxes

7. Assistive Technology Ideas for Seating, Positioning, and Mobility

STRATEGIES AND MODIFICATIONS	LIGHT-TECH	HIGHER-TECH
<ul style="list-style-type: none"> • Preferential seating for location and lighting • Inquire in advance if bus is accessible • Physical assistant • Person-assist for walking • Person-assist for moving • Adjust height of table and chair 	<ul style="list-style-type: none"> • Towel rolls • Pillows • Cushion • Wagons • Wedges • Bolsters • Tumbleform chairs • Cane • Crutches walker • Adapted toileting chair • Raised toilet seat • Splints • Floor mats • Bolster • Adapted swings • Scooters • Hand rails • Swivel chair • Gait belt • Transfer board • T-stool • Sidelyer • Weighted vest • Balls • Ball chair • Ball bath • Other lift systems (Hoyer Lift) 	<ul style="list-style-type: none"> • Lifts • Stenders • Motion table • AFO's • Braces • Manual wheelchair • Power chair • Powered scooter • Adapted vehicle for driving • Powered door opener • Adapted stroller • Lift chairs • Tilt-in-space system • Tilt tables • Power lift systems • Specialty wheelchairs

8. Assistive Technology Ideas for Speaking

STRATEGIES AND MODIFICATIONS	LIGHT-TECH	HIGHER-TECH
<ul style="list-style-type: none"> • Quiet environment • Facing the communicator • Maintaining eye gaze • Writing the message down (esp. for students with ASD) • Visual choices • Multiple choices • Pointing to pictures/letters/objects • Adding pictures to objects; schedules; bulletin boards • Allow single word communication • Sign language • Gestures • Peer groups • Teacher uses clear speech models • Provide clear feedback • Reflect back what the speaker has said • Modify activity for increased practice • Provide extra cues and prompts • Allow for increased practice • Partner models using communication system that student is learning 	<ul style="list-style-type: none"> • Dry erase board • Communication book • Story boards • Post-it notes • Cheat sheets showing location of words/sentences on a communication device • Letter communication board • Object tray • Mirror • Single message devices • Step listing devices • Recipe cards • Talking picture frames/photo albums • Mealtime placemat • Activity specific language boards • Electronic book reader • Talking books • Amplifiers • Communication notebooks • Communication flipbooks 	<ul style="list-style-type: none"> • Electronic/talking dictionary/thesaurus • Communication devices <ul style="list-style-type: none"> ○ Multiple level voice output ○ Paper displays ○ Dynamic screen displays ○ Spelling based system ○ Computers w/ communication software ○ Cell phone with texting • Passy Muir Valve • Electro-larynx <p>Computer</p> <ul style="list-style-type: none"> • Talking picture word processors, such as Clicker 5, Boardmaker Plus/Writing with Symbols, Picture It and Classroom Suite 4 • Word prediction software (such as Co:Writer) • Word abbreviation software • Screen/text reading software • Biofeedback- viewer

9. Assistive Technology Ideas for Studying and Organization

STRATEGIES AND MODIFICATIONS	LIGHT-TECH	HIGHER-TECH
<ul style="list-style-type: none"> • Connect learning to students' lives and prior knowledge • Reduce clutter on desk • Clear, simple directions, check comprehension • Prioritize tasks with time suggestions • Use peers/cross-age tutors/volunteers • Attach assignments, schedule, checklist, timetable, etc. to desk • Allow separate settings for tests/assignments • Have student arrive early to go over day's plan, preview materials or tasks • Provide daily and weekly assignment sheets • Use alternative page set-ups • Model the activity or provide examples • Break information into steps • Home texts/materials for preview/review • Seating needs and position • Pre-teach vocabulary • Teach study skills and self monitoring • Use cooperative learning groups • Provide guided practice • Routines for handing in work, heading papers, etc. • Provide essential fact list • Photocopy information ahead of time • Prepare summary of important facts with blanks to be filled in by student • Use physical cues/gestures • Cover parts of page/worksheets 	<ul style="list-style-type: none"> • Organizers for materials (drawers, bins, etc.) • Organizers for desk • Highlight key words and instructions • Use a "Notebook Control System" • Use Post-It notes, flags • Highlighter tape/pens and erasable pens • NCR paper for notes • Record instructions • Supplementary, multi-modality materials • Vocabulary files, cards, or books • Pre-label, highlight, punch and collate handouts • Pictorial schedule/assignments • Color-coded filing system (index tabs, folders, notebooks, book covers, etc.) • Voice output reminders for assignments, studying, steps of task, schedule, etc. • Study sheets to organize material • Change lighting (light on desk, back to window) • Book holders • Overlays/acetate on text pages • List of confusing words • Business cards/mailling labels • Combination analog/digital watches • Phone dialers • Talking clocks • Day-timers, schedulers and planners • Headphones with white noise or music • Flashlight or light pointer 	<ul style="list-style-type: none"> • Recorded materials (i.e. books on tape) • Tape lectures with number coded index • Mini pocket recorders • Portable electronic organizers, date books, etc. • Digital recorder/voice organizer • Videotape lesson for later review • PDAs <p>Computer</p> <ul style="list-style-type: none"> • Software for manipulation of objects, and concept development • Software for organization of ideas and studying • Use of word processor templates • Software that embeds support for vocabulary within text • Online dictionary and thesaurus • Online sites for research • Interactive whiteboard • Personal amplification system • Webbing, mind-mapping software • Outline in word processors • Calendar/schedule making software • Simplifying computer desktop with folders, shortcuts, etc. • Adding graphics to folders for easier identification

10. Assistive Technology Ideas for Transition to Adult Life

STRATEGIES AND MODIFICATIONS	LIGHT-TECH	HIGHER-TECH
<ul style="list-style-type: none"> • Provide social opportunities • Visit community centers • Use of self care devices • Use of AAC devices or systems • Create peer support • Friends as support services • Recreation mentor • Provide access to the internet • Group home placement • Companion • Vocational education training • Teach to recognize symptoms, health needs • Job shadowing • Job coaching to obtain volunteer position • Job coaching to obtain paid employment • SAT/GED testing in an alternative format • Icon-based instructions, maps • Shopping list template • Visual budget • Training to travel independently • Multi-agency collaboration, planning 	<ul style="list-style-type: none"> • Picture recipe cards • Picture cards for transportation • Picture schedules • Timer • Alarm clock • Simplified budget system • Calculator, regular or talking • Communication wallet • Emergency info system • Picture/large button phone • Memory dial • Talking watch/clock 	<ul style="list-style-type: none"> • Calculator that writes checks • Portable word processor • Personal digital assistant (PDA) • Reminder system • Accessible phone/communication system • Emergency alert system <p>Computer/Software</p> <ul style="list-style-type: none"> • Talking word processor • Accessible internet access • Text reader • Planning/organizing software

11. Assistive Technology Ideas for Vision

STRATEGIES AND MODIFICATIONS	LIGHT-TECH	HIGHER-TECH
<ul style="list-style-type: none"> • Oral presentation of material, directions, tests • Contrast • Reduce glare • Large print • Color overlays • Sans serif fonts (Arial, Tahoma) • Peer note taking • Carbonless paper for note taking • Raised line paper • Dark lined paper • Glue or raised paint guides • Guides made with Wikki sticks • Textures cues • Texture boards • Slant boards • Orientation training • Mobility training • Position at activity • Tactile cues 	<ul style="list-style-type: none"> • Dark pens • Markers • Writing guides, including checks, letters, envelopes • Check-writing guide • Large print address book, calendar • Large print check register • Abacus • Tactile ruler • Pill minder • Four track player/recorder • Braille label writer • Magnifiers (various) • Label maker • Tactile overlays • Walking stick • Mobility cane with roller tip • Adapted rec-leisure equipment • Clothing markers • Clip holders for cane • Cane pouches and holsters • Wooden board and cell slate • Braille stylus • Bagel biter or trap • Food chopper • Cutting board with slicing guide • Audible battery tester • Liquid level indicator • Note teller • Raised letter & Braille measuring cups/spoons 	<ul style="list-style-type: none"> • CC-TV • Magni-Cam • Large button calculator, phone, keyboards, remote controls • Large numbered clocks • Braille clocks and watches • Talking clocks and watches • Laser cane • 3-in-1 tracker • Talking books • Recorded books • Braille books • Talking thermometer • Speaker phone • Talking scale • Voice announcer for caller ID • Self-threading sewing machine • Braille compass • Talking compass • Talking tape measure • Voice recognition organizer <p>Computer/Software</p> <ul style="list-style-type: none"> • JAWS • Zoomtext • Kurzweill • Built-in accessibility features on a computer • Braille printer • Braille embosser • Typing tutor • Text-to-speech software

12. Assistive Technology Ideas for Writing

STRATEGIES AND MODIFICATIONS	LIGHT-TECH	HIGHER-TECH
<ul style="list-style-type: none"> • Extend time for assignments/tasks • Reduce or use alternative assignments/tasks • Adjust seating position (90° x 90° x 90°) • Peer “scribe” for note taking or dictation • Seating needs (hearing, seeing, distractibility, noise level, traffic pattern, front/back of room, near teacher or peers, etc.) • Desk (wheelchair accessible, laptop, tilt, flip top desk, lip on side of desk, large table, stand rather than sit, study carrel, etc.) • Reduce clutter on desk • Allow word cards, spelling list, hints, etc. • Allow alternative methods, i.e. oral report • Do not penalize for misspellings, poor writing or grammar on draft • Allow single word or short answers • Give multiple choice tests • Allow either printing or cursive • Use checklists to help get started • Teach and review test-taking vocabulary • Provide models of writing tasks • Lighting adjustments (more/less/direction) • Provide outline/lecture notes beforehand • Provide spelling journals • Brainstorm ideas before beginning to write • Use remnant books for topic setting • Develop idea lists for topic setting • Model using the writing instrument used by student 	<ul style="list-style-type: none"> • Pencil grips/holders • Short pencil stub • Pens with different grips • Sentence strips • Straps/splints; “T” holder for pencil • Spinner with parts of story • Eye gaze symbol or alphabet boards • Wrist weight/hold down • Slant board or easel; or use 3” 3-ring binder • Dycem/other material to prevent slippage • Name/number/date/stamps • Magnetic letters and board/cookie sheet • Line indicators (raised line, w/ mid-line, etc) • Sections on paper (draw lines, fold, etc.) • Type of paper (graph, textured, colored, etc.) • Provide extra white spaces • Highlight or color code special words or parts of speech • Put less information on page • High contrast colors • “Post-it” notes for “fill in the blank” tests • Word cards, book, wall or file • Pocket dictionary/thesaurus • Pencil/pen attached to desk • Word/sentence windows • Trace letters/numbers/words with highlighter • Stencils to trace letters • Tactile letters/words 	<ul style="list-style-type: none"> • Labeler • Electronic/talking dictionary/thesaurus • Digital recorder/voice organizer • Portable note-taker (regular or Braille) • Portable word processor, with or without word prediction, word banks, built-in dictionaries <p>Computer</p> <ul style="list-style-type: none"> • Word processors, w/ or w/o speech feedback • Spelling and grammar checker • Keyguard (with reduced # of keys) • Keyguard (for all keys) • Alternative mouse and/or keyboard • Accessibility Options in Control Panel • Screen/text reader • Word processor “forms” feature • Enlarged or Braille key caps, labels. covers • Screen flasher when sound is emitted • Alternative methods to access keyboard (mouthsticks, headsticks, electronic) • On-screen keyboard • Touch window/screen • Switch control (single or multiple) • Utilities to enlarge the cursor, hold Windows open, assist with click/drag, etc. • Voice recognition • Software strategies (word prediction, abbreviation expansion, etc.) • Software for organization and expression • Graphic organizer software • Software for screen magnification • Draw/paint software