

WATI Assistive Technology Consideration Guide

Student's Name_____ School_____

- 1. What task is it that we want this student to do, that s/he is unable to do at a level that reflects his/her skills/abilities (writing, reading, communicating, seeing, hearing)? Document by checking each relevant task below. Please leave blank any tasks that are not relevant to the student's IEP.
- 2. Is the student currently able to complete tasks with special strategies or accommodations? If yes, describe in Column A for each checked task.
- 3. Is there available assistive technology (either devices, tools, hardware, of software) that could be used to address this task? (If none are known, review WATI's AT Checklist.) If any assistive technology tools are currently being used (or were tried in the past), describe in Column B.
- 4. Would the use of assistive technology help the student perform this skill more easily or efficiently, in the least restrictive environment, or perform successfully with less personal assistance? If yes, complete Column C.

Task	A. If currently completes task with special strategies / accommodations, describe.	B. If currently completes task with assistive technology tools, describe.	C. Describe new or additional assistive technology to be tried.
☐ Motor Aspects of Writing			
Computer Access			
Composing Written Material			
□ Reading			
Learning/ Studying			

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Task	A. If currently completes task with special strategies / accommodations, describe.	B. If currently completes task with assistive technology tools, describe.	C. Describe new or additional assistive technology to be tried.				
□ Math							
Recreation and Leisure							
Activities of Daily Living ADLs)							
□ Mobility							
Environmental Control							
Positioning and Seating							
□ Vision							
☐ Hearing							
5. Are there assistive technology services (more specific evaluation of need for assistive technology, adapting or modifying the assistive technology, technical assistance on its operation or use, or training of student, staff, or family) that this student needs? If yes, describe what will be provided, the initiation and duration.							
Persons Present:			Date:				

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W.A.T.I. Assistive Technology Assessment Directions/Procedure Guide

School District/Agency	School	
Student	Grade	

Team Members **Date Completed** Comments **Gathering Information: Step 1: Team Members Gather Information** Review existing information regarding child's abilities, difficulties, environment, and tasks. If there is missing information, you will need to gather the information by completing formal tests, completing informal tests, and/or observing the child in various settings. The WATI Student Information Guide and Environmental Observation Guide are used to assist with gathering information. Remember, the team gathering this information should include parents, and if appropriate, the student. Step 2: Schedule Meeting Schedule a meeting with the team. Team includes: parents, student (if appropriate), service providers (e.g. spec. ed. teacher, general ed. teacher, SLP, OT, PT, administrator), and any others directly involved or with required knowledge and expertise. **Decision Making: Step 3: Team Completes Problem Identification Portion of** AT Planning Guide at the Meeting. (Choose someone to write all topics where everyone participating can see them.) The team should move quickly through: Listing the student's abilities/difficulties related to tasks (5-10 minutes). Listing key aspects of the **environment** in which the student functions and the student's location and positioning within the environment (5-10 minutes). Identifying the **tasks** the student needs to be able to do is important because the team cannot generate AT solutions until the tasks are identified (5-10 minutes). (Note: The emphasis in problem identification is identifying tasks the student needs to be able to do and the relationship of the student's abilities/difficulties and characteristics of the environment

of the child's performance of the tasks.)

Date Completed

Comments

Step 4: Prioritize the List of Tasks for Solution Generation

Identify critical task for which the team will generate potential solutions. This may require a redefining or reframing of the original referral question, but is necessary so that you hone in on the most critical task

Step 5: Solution Generation

Brainstorm all possible solutions.

Note: The specificity of the solutions will vary depending on the knowledge and experience of the team members; some teams may generate names of specific devices with features that will meet the child's needs, other teams may simply talk about features that are important, e.g. "needs voice output," "needs to be portable," "needs few (or many) messages," "needs input method other than hands," etc. Teams may want to use specific resources to assist with solution generation. These resources include, but are not limited to: the AT Checklist, the ASNAT Manual, the Tool Box in *Computer and Web Resources for People with Disabilities, Closing the Gap Resource Directory*, and/or AT Consultant.

Step 6: Solution Selection

Discuss the solutions listed, thinking about which are most effective for the student. It may help to group solutions that can be implemented 1) immediately, 2) in the next few months, and 3) in the future. At this point list names of specific devices, hardware, software, etc. If the team does not know the names of devices, etc., use resources noted in Step 5 or schedule a consultation with a knowledgeable resource person (that is the part of the decisionmaking that should require the most time. Plan on 20-30 minutes here).

Step 7: Implementation Plan

Develop implementation plan (including trials with equipment) – being sure to assign specific names and dates, and determine meeting date to review progress (follow-up Plan). **Reminder:** Steps 3-7 occur in a meeting with all topics written where all participants can see them. Use a flip chart, board or overhead during the meeting, because visual memory is an important supplement to auditory memory. Following the meeting, ensure that someone transfers the information to paper for the child's file for future reference.

Trial Use:

Step 8: Implement Planned Trials Step 9: Follow Up on Planned Date

Review trial use. Make any needed decisions about permanent use. Plan for permanent use.



Referral/Question Identification Guide

Student's Name	Date	of Birth Age_
School	Grade	
School Contact Person	Phone	
Persons Completing Guide		
Date		
Parent(s) Name		Phone
Address		
Student's Primary Language		
 Disability (Check all that apply.) Speech/Language Cognitive Disability Traumatic Brain Injury Emotional/Behavioral Disability Orthopedic Impairment – Type	Other Health ImpairmentAutism	Vision Impairment
 Current Age Group Birth to Three Middle School 	Early ChildhoodSecondary	Elementary
 Classroom Setting Regular Education Classroom Home 	 Resource Room Other 	□ Self-contained
 Current Service Providers Occupational Therapy Other(s)	Physical Therapy	Speech Language
Medical Considerations (Check a	l that apply.)	
□ Has multiple health problems □ H		ent pain ent upper respiratory infections tive problems

Other Issues of Concern_



Assistive Technology Currently Used (Check all that apply.)

□ None	Low Tech Writing Aids
Manual Communication Board	Augmentative Communication System
Low Tech Vision Aids	Amplification System
Environmental Control Unit/EADL	Manual Wheelchair
D Power Wheelchair	Computer – Type (platform)
□ Voice Recognition	Word Prediction
□ Adaptive Input - Describe	
□ Other	
Assistive Technology Tried	
Please describe any other assistive technolog work or why didn't it work.)	y previously tried, length of trial, and outcome (how did it
Assistive Technology	Number and Dates of Trial(s)
Outcome	
Assistive Technology	Number and Dates of Trial(s)
Outcome	
Assistive Technology	Number and Dates of Trial(s)
Outcome	
	at is currently difficult or impossible, and for which
Based on the referral question, select the s completed. (Check all that apply.)	ections of the Student Information Guide to be
Section 1 Fine Motor Related to Computer or Device Access	□ Section 8 Recreation and Leisure
□ Section 2 Motor Aspects of Writing	Section 9 Seating and Positioning
□ Section 3 Composing Written Material	□ Section 10 Mobility
□ Section 4 Communication	□ Section 11 Vision
□ Section 5 Reading	□ Section 12 Hearing
□ Section 6 Learning and Studying	□ Section 13 General
□ Section 7 Math	



WATI Student Information Guide SECTION 1 Fine Motor Related to Computer (or Device) Access

1. Current Fine Motor Abilities

Observe the student using paper and pencil, typewriter, computer, switch, etc. Look at the movements as well as the activities and situations. Does the student have voluntary, isolated, controlled movements using the following? (Check all that apply.)

- Left hand
- □ Left arm
- □ Left leg
- Left foot
- □ Finger(s)

Right armRight leg

□ Right hand

- **Right** foot
- Eyebrows

HeadMouth

 \Box Eye(s)

- **D** Tongue
- □ Other _____

Describe briefly the activities/situations observed_____

2. Range of Motion

Student has specific limitations to range. □Yes □No

Describe the specific range in which the student has the most motor control.

3. Abnormal Reflexes and Muscle Tone

Student has abnormal reflexes or abnormal muscle tone. □Yes □No Describe briefly any abnormal reflex patterns or patterns of low or high muscle tone that may interfere with the student's voluntary motor control._____

4. Accuracy

Student has difficulty with accuracy. Yes No Describe how accurate, reliable and consistent the student is in performing a particular fine motor task.



5. Fatigue

Student fatigues easily. Describe how easily th	■ ■Yes ■No e student becomes fatigued		
6. Assisted Direct Sele	ection		
What type of assistance	e for direct selection has be	en tried? (Check all th	nat apply.)
□ Keyguard		□ Head pointer/hea	ad stick
D Pointers, hand grips, s	splints etc.	□ Light beam/laser	
Other:			
Describe which seemed	d to work the best and why.		
7. Size of Grid Studer	t Is Able to Access		
	uare the student can accura	telv access? 🗖 1" 🗖	2" 🗖 3" 🗖 4"
What is the optimal siz		re	
to fue to the optimier size	Number of squares a		
	Number of squares of		
8. Scanning	i tuilloor or squares t		
e	select, does the student use	e scanning?	
$\Box \text{ Yes, if yes} \Box \text{ St}$	ep 🗖 Automatic	□ Inverse	Other
Preferred control site Other possible contro	(body site) l sites		
9. Type of Switch			
The following switches work the best.)	s have been tried. (Check al	l that apply. Circle th	e one or two that seemed to
□ Touch (jellybean)	□ Light touch	□ Wobble	□ Rocker
Joystick	□ Lever	□ Head switch	□ Mercury (tilt)
□ Arm slot	D Eye brow	Tongue	□ Sip/puff
□ Tread	Other		

Summary of Student's Abilities and Concerns Related to Computer/Device Access



WATI Student Information Guide SECTION 2 Motor Aspects of Writing

1. Cur	rent Writing Ability (Chec	k al	l that apply.)			
🗖 Hole	ds pencil, but does not write		1		Pretend writes	
🗖 Scri	bbles with a few recognizable	lette	ers		Uses regular per	ncil
🗖 Use:	s pencil adapted with				Copies simple s	hapes
🗖 Cop	ies from book (near point)		ĺ		Copies from boa	ard (far point)
🗖 Prin	ts a few words		I		Writes on 1" lin	es
🗖 Prin	ts name		I		Writes on narrow	w lines
🗖 Writ	tes cursive		I		Uses space corre	ectly
🗖 Writ	ting is limited due to fatigue		I		Sizes writing to	fit spaces
🗖 Writ	ting is slow and arduous		I		Writes independ	lently and legibly
2. Assi	stive Technology Used (Ch	leck	all that apply.)			
🗖 Pape	er with heavier lines		Paper with raise	d 1	ines	Pencil grip
	cial pencil or marker		Splint or pencil	ho	lder	□ Typewriter
🗖 Con	nputer		Other			
3. Cur	rent Keyboarding Ability	(Ch	eck all that apply	v.)		
	s not currently type	、 -			Activates desire	ed key on command
	es slowly, with one finger					vith more than one finger
• •	identally hits unwanted keys				Performs 10 fin	-
	uires arm or wrist support to ty	pe				ard with head or mouth stick
□ Use	s mini keyboard to reduce fatig	gue			Uses switch to a	access computer
🗖 Use:	s Touch Window				Uses alternative	e keyboard
🗖 Use:	s access software				Uses Morse cod	le to access computer
🗖 Use:	s adapted or alternate keyboard	l, st	ch as			
D Othe	er					
4 С		1	``			
	uputer Use (Check all that ap			at a	ahaal	Uses computer at home
	never used a computer s computer for games		Uses computer a			Uses computer at home
	s computer is spell checker		Oses computer i		word processing	,
	s computer for a variety of pur	nos	es such as			
	potential to use computer but					
	potential to use computer out	ius	not used a compt	ate.		

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5. Computer Availab	ility and Use		
The student has access to	the following computer(s	3)	
D PC	Macintosh	□ Other	
Desktop	Laptop		
Location:			
The student uses a comp	uter		
□ Rarely □ Frequent	ly D Daily for one or n	nore subjects or periods	Every day, all day
Summary of Student	's Abilities and Concer	ns Related to Writing	



WATI Student Information Guide SECTION 3 Composing Written Material

1. Typical of Student's Present	Writing (Check al	l that apply.)	
□ Short words	□ Sentences		Multi-paragraph reports
□ Short phrases	□ Paragraphs of	2-5 sentences	□ Other
□ Complex phrases	Longer paragr	aphs	
2. Difficulties Currently Experi	ienced by Student	(Check all that ap	pply.)
Answering questions		Generating i	deas
Getting started on a sentence or	story	□ Working w/p	peers to generate ideas and information
□ Adding information to a topic		Planning cor	ntent
Sequencing information		Using a varie	ety of vocabulary
□ Integrating information from two	o or more sources	Summarizing	g information
□ Relating information to specific	topics	□ Other	
Determining when to begin a new	w paragraph		
3. Strategies for Composing W	ritten Materials S	tudent Currentl	v Iltilizes (Check all that apply)
□ Story starters		□ Webbing/co	•
 Preset choices or plot twists 		 Outlines 	
 Templates to provide the format 	or structure		
(both paper and electronic)			
4. Aids/Assistive Technology fo (Check all that apply.)	r Composing Wri	tten Materials (Jtilized by Student
□ Word cards □ Wo	ord book	□ Word wall/w	vord lists
□ Prewritten words on cards or lab	els		
DictionaryEle	ctronic dictionary/sp	ell checker	
□ Whole words using software or l	nardware (e.g. Intelli	Keys)	
□ Symbol-based software for writi	ng (e.g. Writing with	Symbols 2000 or	Pix Writer)
□ Word processing with spell chec	ker/grammar checke	r	
Talking word processing		□ Abbreviation	n/expansion
□ Word processing with writing su	pport		
Multimedia software		□ Voice recogn	nition software
• Other			

Summary of Student's Abilities and Concerns Related to Computer/Device Access



WATI Student Information Guide SECTION 4 Communication

1.	Student's Present M (Check all that are u			nunication e primary method the studer	nt uses.)			
	Changes in breathing	patterns		Body position changes	□ Eye-gaze/	eye movement		
		L		• •	D Pointing	5		
	•	imations		Sign language (Type	e	# signs		
				# combinations				
	Vocalizations, list exa	amples						
	Vowels, vowel comb	inations, list e	xa	mples				
				. #				
	Reliable no							
	2-word utterances	□ 3-word	ut	erances				
	Semi intelligible speed	ch, estimate %	5 ir	telligible:				
	Communication board	l 🗖 Tangib	les	Deriver Pictures Deriver Combination	on pictures/words	□ Words		
	Voice output AC devi	ce (name of d	evi	ce)				
	Intelligible speech	🗖 Writing	5	• Other				
2.	Those Who Underst	tand Studen	t's	Communication Attempts	(Check best desc	riptor.)		
		Most of the ti	me	Part of the time	Rarely	Not Applicable		
St	rangers							
Te	achers/therapists							
Pe	ers							
Si	blings							
Pa	rent/Guardian							
3.	Current Level of Re	eceptive La	ıgı	lage				
Ag	ge approximation							
If	If formal tests used, name and scores							
If	formal testing is not use	ed, please giv	e a	n approximate age or developm	ental level of func	tioning. Explain your		
rat	ionale for this estimate							
	Current Level of Ex	•	ng	uage				

If formal tests used, name and scores_____

If formal testing is not used, please give an approximate age or developmental level of functioning. Explain your rationale for this estimate.

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5. Communication Interaction Skills

Desires to communica	ite 🗖 Yes 🗆	J No					
To indicate yes and no	the student						
□ Shakes head	Signs	🗖 Voca	lizes	🗖 Gestu	ires	D Eye gaze	es
Points to board	Uses word a	pproximations		Does	not respond co	nsistently	
Can a person unfamili	ar with the studer	nt understand the	e response?	? 🗖 Yes	🗖 No		
			Always	Frequently	Occasionally	Seldom	Never
Turns toward speaker							
Interacts with peers							
Aware of listener's att	ention						
Initiates interaction							
Asks questions							
Responds to communi	cation interaction						
Requests clarification	from communica	tion partner					
Repairs communication	on breakdown						
Requires frequent verl	oal prompts						
Requires frequent phy	sical prompts						
Maintains communica	tion exchange						
Terminates communic	ation						
Describe techniques s	tudent uses for rej	pair (e.g. keeps t	rying, cha	nges message	e, points to first	letter etc.).	

6. Student's Needs Related to Devices/Systems	(Check all that apply.)
---	-------------------------

- □ Uses wheelchair □ Walks
- - **Carries** device under 2 pounds

- **D**rops or throws things frequently
- □ Needs digitized (human) speech

- □ Needs device w/large number of words and phrases
- Other

7. Pre-Reading and Reading Skills Related to Communication (Check all that apply.)

- \Box Yes \Box No Object/picture recognition
- \Box Yes \Box No Symbol recognition (tactile, Mayer-Johnson, Rebus, etc.)
- \Box Yes \Box No Auditory discrimination of sounds
- \Box Yes \Box No Auditory discrimination of words, phrases
- \Box Yes \Box No Selecting initial letter of word
- \Box Yes \Box No Following simple directions
- \Box Yes \Box No Sight word recognition
- □ Yes □No Putting two symbols or words together to express an idea

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	TECHNOLOGT INITIAL
8. Visual Abilities Related to Communication	1 (Check all that apply.)
□ Maintains fixation on stationary object	Looks to right and left without moving head
□ Scans line of symbols left to right	Scans matrix of symbols in a grid
□ Visually recognizes people	Visually recognizes common objects
□ Visually recognizes photographs	Visually recognizes symbols or pictures
□ Needs additional space around symbol	Visually shifts horizontally
□ Visually shifts vertically	□ Recognizes line drawings
Is a specific type (brand) of symbols or pictures pref	ferred?
What size symbols or pictures are preferred?	
What line thickness of symbols is preferred?	inches
Does student seem to do better with black on white,	or white on black, or a specific color combination for
figure/ground discrimination?	
	the responses the student currently uses or his/her need for
augmenting communication (Use an additional page	e if necessary)
Summary of Student's Abilities and Concern	ns Related to Communication
·	



WATI Student Information Guide SECTION 5 Reading

- 1. The Student Demonstrates the Following Literacy Skills. (Check all that apply.)
- **□** Engages in joint attention with adult caregiver to activities (e.g. songs, stories, games and/or toys)
- □ Shows an interest in books and stories with adult
- □ Shows and interest in looking at books independently
- \square Associates pictures with spoken words when being read to
- □ Realizes text conveys meaning when being read to
- □ Recognizes connection between spoken words and specific text when being read to
- **D** Pretend writes and "reads" what he or she has written, even if scribbles
- □ When asked to spell a word, gets first consonant correct, but not the rest of the word
- **D** Demonstrates sound manipulation skills including:
 - □ Initial and final sounds in words □ Initial letter names/sounds
- Recognizes, names and prints the alphabet (if motor skills are limited, may use alternative means rather than printing to demonstrate knowledge of the alphabet)
- □ When asked to spell a word, gets first and last sounds correct
- □ Applies phonics rules when attempting to decode printed words
- □ Sound blends words
- Reads and understands words in context
- □ Spells words using conventional spelling in situations other than memorized spelling tests
- □ Reads and understands sentences
- □ Composes sentences using nouns and verbs
- □ Reads fluently with expression
- □ Reads and understands paragraphs
- □ Composes meaningful paragraphs using correct syntax and punctuation

2. Student's Performance Is Improved by (Check all that apply.)

- □ Smaller amount of text on page
- $\hfill\square$ Word wall to refer to
- □ Graphics to communicate ideas
- **D** Bold type for main ideas
- □ Additional time
- □ Spoken text to accompany print
- □ Other_

- **D** Enlarged print
- □ Pre-teaching concepts
- □ Text rewritten at lower reading level
- □ Reduced length of assignment
- □ Being placed where there are few distractions
- □ Color overlay (List color_____)

3. Reading Assistance Used

Please describe the non-technology based strategies and accommodations that have been used with this student



4. Assistive Technology Used

The following have been tried. (Check all that apply.)

□ Highlighter, marker, template, or other self-help aid in visual tracking

 \square Colored overlay to change contrast between text and background

□ Tape recorder, taped text, or talking books to "read along" with text

Talking dictionary or talking spell checker to pronounce single words

□ Hand held scanner to pronounce difficult words or phrases

□ Computer with text to speech software to

□ Speak single words □ Speak sentences □ Speak paragraphs □ Read entire document

Explain what seemed to work about any of the above assistive technology that has been tried.

5. Approximate Age or Grade Level of Reading Skills_____

6. Cognitive Ability in General

□ Significantly below average □

Below averageAbove average

□ Average

7. Difficulty

Student has difficulty decoding the following. (Check all that apply.)

🗖 Woi	ksheets	Reading Textbook	Subject Area Textbooks	Tests
Student has diff	iculty comp	prehending the following	g. (Check all that apply.)	

□ Worksheets □ Reading Textbook □ Subject Area Textbooks □ Tests

8. Computer Availability and Use

The student has access to the following computer(s):

□ PC □ Macintosh

9. The Student Uses a Computer:

□ Rarely □ Frequently □ Daily for one or more subjects or periods □ Every day, most of the day For the following purposes______

Summary of Student's Abilities and Concerns Related to Reading

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WATI Student Information Guide SECTION 6 Learning and Studying

- 1. Difficulties Student Has Learning New Material or Studying (Check all that apply.)
- **D** Remembering assignments
- □ Remembering steps of tasks or assignments
- □ Finding place in textbooks
- □ Taking notes during lectures
- □ Reviewing notes from lectures
- 2. Assistive Technology Tried (Check all that apply.)
- □ Print or picture schedule
- □ Low tech aids to find materials (e.g. index tabs, color coded folders)
- □ Highlighting text (e.g. markers, highlight tape, ruler)
- **D** Recorded material
- □ Voice output reminders for assignments, steps of task, etc.
- **D** Electronic organizers
- □ Pagers/electronic reminders
- $\hfill\square$ Hand held scanner to read words or phrases
- □ Software for manipulation of objects/concept development
- □ Software for organization of ideas and studying
- □ Palm computers
- Other_____

3. Strategies Used

Please describe any adaptations or strategies that have been used to help this student with learning and studying.

Summary of Student's Abilities and Concerns in the Area of Learning and Studying



□ Other

Organizing information/notes

Turning in assignments

□ Organizing materials for a report or paper

⊔ Othe



WATI Student Information Guide SECTION 7 Math

1. Difficulties Student Has with Math (Check all that apply.)

Legibly writing numerals	Understanding math related language
Understanding meaning of numbers	Understanding place values
Understanding money concepts	Completing simple addition and subtraction
Completing multiplication and division	Completing complex addition and subtraction
Understanding units of measurement	Understanding tables and graphs
Creating graphs and tables	Understanding time concepts
□ Understanding fractions	Working with fractions
Converting to mixed numbers	Understanding decimals /percents
□ Solving story problems	Understanding geometry
Graphing	Understanding the use of formulas
□ Understanding and use of trigonometry functions	Checking work
□ Other	
2. Assistive Technology Tried	
□ Abacus	□ Talking calculator
□ Math line	□ Braille calculator
Enlarged math worksheets	□ Alternative keyboards (e.g., IntelliKeys)
□ Low-tech alternatives for answering	□ Math "Smart Chart"
□ Recorded material	□ Tactile math devices (ruler, clock, etc.)
□ Voice output reminders for assignments, steps of task, etc.	Electronic organizers
□ Pagers/electronic reminders	□ Single word scanners
$\hfill\square$ Software for manipulation of objects/concept development	□ On screen scanning calculator
Talking or Braille watch	□ Software for organization of ideas and studying
□ Palm computers	
Other	
3. Strategies Used	

Please describe any strategies that have been used to help._____

Summary of Student's Abilities and Concerns Related to Math_____



WATI Student Information Guide SECTION 8 Recreation and Leisure

1. Diffi	culties Student	Experiences	Participating in	n Recreation and	Leisure	(Check all that	apply.)

- □ Understanding cause and effect
- **U**nderstanding turn taking
- □ Handing/manipulating objects
- □ Throwing/catching objects
- □ Understanding rules
- □ Waiting for his/her turn
- □ Following simple directions

- **G** Following complex directions
- **Communicating with others**
- □ Hearing others
- □ Seeing equipment or materials
- □ Operating TV, VCR, etc.
- **Operating computer**
- □ Other _____

2. Activities Student Especially Enjoys_____

3. Adaptations Tried to Enhance Participation in Recreation and Leisure

How did they help?

4. Assistive Technology Tried (Check all that apply.)

- \Box Toys adapted with Velcro[®], magnets, handles etc.
- □ Toys adapted for single switch operation
- □ Adaptive sporting equipment, such as lighted or beeping ball
- □ Universal cuff or strap to hold crayons, markers, etc.
- □ Modified utensils, e.g. rubber stamps, rollers, brushes
- □ Ergo Rest or other arm support
- □ Electronic aids to control/operate TV, VCR, CD player, etc.
- □ Software to complete art activities □ Games on the computer
- □ Other computer software □ Other _____

Summary of Student's Abilities and Concerns in the Area of Recreation and Leisure



WATI Student Information Guide SECTION 9 Seating and Positioning

- 1. Current Seating and Positioning of Student (Check all that apply.)
- \Box Sits in regular chair w/ feet on floor
- □ Sits in regular chair w/ pelvic belt or foot rest
- □ Sits in adapted chair
- □ Sits in seat with adaptive cushion that allows needed movement
- □ Sits in wheelchair part of day
- □ Sits comfortably in wheelchair most of day
- □ Wheelchair in process of being adapted to fit
- □ Spends part of day out of chair due to prescribed positions
- □ Spends part of day out of chair due to discomfort
- □ Enjoys many positions throughout the day, based on activity
- □ Has few opportunities for other positions
- □ Uses regular desk
- □ Uses desk with height adjusted
- □ Uses tray on wheelchair for desktop
- □ Uses adapted table

2. Description of Seating (Check all that apply.)

- □ Seating provides trunk stability
- □ Seating allows feet to be on floor or foot rest
- □ Seating facilitates readiness to perform task
- □ There are questions or concerns about the student¹s seating
- □ Student dislikes some positions, often indicates discomfort in the following positions_____

How is the discomfort communicated?

- □ Student has difficulty using table or desk
- □ There are concerns or questions about current <u>wheelchair</u>.
- □ Student has difficulty achieving and maintaining head control, best position for head control is_____

Where are their hips?_____

Can maintain head control for _____ minutes in this position.

Summary of Student's Abilities and Concerns Related to Seating and Positioning



WATI Student Information Guide SECTION 10 Mobility

- **1. Mobility** (Check all that apply.)
- □ Crawls, rolls, or creeps independently
- □ Is pushed in manual wheelchair
- □ Uses wheelchair for long distances only
- □ Uses manual wheelchair independently
- □ Is learning to use power wheelchair
- □ Uses power wheelchair
- □ Needs help to transfer in and out of wheelchair
- □ Transfers independently
- □ Has difficulty walking
- □ Walks with assistance
- □ Has difficulty walking up stairs
- □ Has difficulty walking down stairs
- □ Needs extra time to reach destination
- □ Walks independently
- □ Walks with appliance
- □ Uses elevator key independently

2. Concerns About Mobility (Check all that apply.)

- □ Student seems extremely tired after walking, requires a long time to recover
- \square Student seems to be having more difficulty than in the past
- □ Student complains about pain or discomfort
- □ Changes in schedule require more time for travel
- □ Changes in class location or building are making it more challenging to get around
- **T**ransition to new school will require consideration of mobility needs
- □ Other____

Summary of Student's Abilities and Concerns Related to Mobility_____



WATI Student Information Guide Section 11 Vision

A vision specialist should be consulted to complete this section.

1. Date of Last Vision Report _____

2. Visual Abilities (Check all that apply.)
Read standard textbook print
□ Read text if enlarged to (indicate size in inches)
□ Requires specialized lighting such as
Requires materials tilted at a certain angle (indicate angle)
Can read using optical aids, list:
Currently uses the following screen enlargement device
Currently uses the following screen enlargement software
□ Recognizes letters enlarged to pt. type on computer screen
□ Recognizes letters enlarged to pt. type forminutes without eye fatigue.
□ Prefers □ Black letters on white □ White on black □(color) on
□ Tilts head when reading
\Box Uses only one eye: \Box Right eye \Box Left eye
Uses screen reader:
Requires recorded material, text to speech, or Braille materials
3 Alternative Output
Currently uses (Check all that apply.)
□ Slate and stylus
Talking calculator
Braille calculator
□ Braille notetaker
Electric Brailler
□ Refreshable Braille display
□ Tactile images
□ Screen reader
Braille translation software:

WATI Assessment Forms

Level of proficiency (Check the one that most closely describes the student.)

- **D** Requires frequent physical prompts
- □ Needs only intermittent cues
- $\hfill\square$ Trouble-shoots problems related to device

4. Writing/Handwritten Materials (check all that apply)

- \square Writes using space correctly
- □ Writes appropriate size
- \square Reads someone else's writing
- □ Reads cursive
- □ Requires bold or raised-line paper
- \square Requires colored pencils, pens, or paper

- □ Requires frequent verbal cues
- \square Uses device to complete tasks independently
- Writes on line
- □ Reads own handwriting
- **D** Reads hand printing
- □ Skips letters when copying
- **D** Requires softer lead pencils
- \square Requires felt tip pen \square Thin point \square Thick point

Summary of Student's Abilities and Concerns Related to Vision





WATI Student Information Guide SECTION 12 Hearing

A hearing specialist should be consulted to complete this section.

1. Audiological Information

0				
Date of last audiol	ogical exam			
Hearing loss identi	fied			
Right Ear Left Ear	MildMild	ModerateModerate	SevereSevere	ProfoundProfound
Onset of hearing lo	DSS	Etiolog	у	
2. Unaided Audi	itory Abilities (Che	ck all that apply.)		
 Attends to sour Discriminates e Turns toward s Hears some spec Understands sy 	environmental vs. non ound eech sounds	☐ High pitch ☐ I -environmental sounds	Low pitch 🗖 Voic	es 🗖 Background noises
3. Student's Eye	Contact and Atter	ntion to Communicat	ion (Check best des	criptor.)
D Poor	□ Inconsistent	□ Limited	Good	□ Excellent
		generally used by others		-
		School	Home	Community
□ Body language				
□ Tangible symbol	ols			
Gestures				
□ Speech		_		
Cued speech				
 Picture cues Written message 			_	
□ Written messag				
□ Signs and speed	-			
□ Signed English		—	_	_
Contact (Pidgin				
American Sign	Language (ASL)			
5. Level of Rece	ptive Proficiency in	Each Environment School	Home	Community

WATI Assessment Forms				VATI
6. Student Communicates wit	h Others Using (Check a	A A 4 '	■ Body language	NOLOGY INITIATIVE
□ Signs and speech together	□ Gestures		□ Written message	S
Signed EnglishOther	Picture cues		Contact (Pidgin)	sign language
Level of expressive communicati	on:			
□ Single words	Combination of we	ords	□ Proficient	
 7. Is There a Discrepancy Bet Yes No If yes, describe further. 	-	-		
 8. Services Currently Used (C Audiology Educational interpreter using: 	□ Note taker	Transliter	ating 🗖 PSE	□ Oral
9. Equipment Currently Used	(Check all that apply.)			
Hearing aids	Cochlear implant		□ Telecaption deco	oder
□ Vibrotactile devices	Classroom amplifi	cation system	TTY/TDD	
□ FM system	□ Other			
10. Present Concerns for Comn	unication, Writing, an	d/or Educatior	nal Materials	
Cannot hear teacher/other stude	ents 🗖	Cannot respond	to emergency alarm	
□ Cannot participate in class disc	ussions	Cannot benefit f	from educational vide	os/programs
Displays rec./exp. language del	ays 🗖	Cannot use telep	phone to communicat	e
 11. Current communication fundation Desires to communicate Initiates interaction Responds to communication responds to communication respo	quests	ng		
Requests clarification from cor	-	• •	epeat that?")	
Repairs communication breakd	own (Keeps trying, chang	es message)		
12. Current Reading Level				

Summary of Hearing Abilities and Concerns_____

WISCONSIN ASSISTIVE



WATI Student Information Guide Section 13 General

Are there any behaviors (both positive and negative) that significantly impact the student's performance?

Are there significant factors about the student's strengths, learning style, coping strategies or interests that the team should consider?

Are there any other significant factors about the student that the team should consider?

Does student fatigue easily or experience a change in performance at different times of the day?



Environmental Observation Guide

tudent's name:	
chool:	
bserver:	
ate of Observation:	
ype of class:	

Directions: Complete this Environmental Assessment Checklist before beginning

Describe the environment: Record short responses in the space provided.

Special or general education classroom?	
Specialty classroom (Specify: e.g., P.E., computer lab)	
Therapy room? (Specify)	
Number of teachers in class?	
Number of aides in class?	
Number of volunteers in class?	
Number of students in the class?	
How many days per week is the program?	
How many hours/day?	
Is the atmosphere busy or quiet?	
Are there large open areas or small divided sections?	
How are the desks arranged?	
Is the furniture sized for children?	
Are materials accessible, appropriate, varied, interesting?	
Is special equipment available (i.e., chairs with arm supports)?	
Where is the classroom located in relationship to the cafeteria, therapy, outdoor play areas, etc.?	
Are bathrooms located in or outside the classroom?	

Sensory Stimulation: Judge the level of sensory stimulation and record it with a check in the corresponding box. Enter comments or notes that clarify your responses if needed.

	Excessive	Balanced	Reduced	N/A	Comments
Auditory					
Hallway					
Street					
Other classrooms					
Other students					
Instructional media					
Teacher aides/volunteers					
Other (specify):					

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Sensory Stimulation: continued

	Excessive	Balanced	Reduced	Comments
Visual				
Color				
Clutter/busy				
Art/decorations				
Visual information				
Lighting				
Other (specify):				

Persons Present During Observation: For each person on the list, put a check in the appropriate column indicating their level of participation.

1	

Notes:



Access to Assistive Technology: Record the presence or absence of EACH TYPE of assistive technology by placing a check in the corresponding box. Record the AT found in the classroom as a whole, not just the AT used by the target student.

Types	Present-Not Used	Present-Used	Not Present
Communication cards/boards			
Digitally recorded communication			
devices			
Electronic communication devices			
AT for activities of daily living			
Adjustable seating (not a wheelchair)			
Positioning equipment			
Amplification			
Visual signaling devices			
Brailler/brailled materials			
Magnifiers			
Notetaking devices/keyboards			
Speech output devices/computers			
Handwriting aids			
Alternate/adapted keyboards			
Alternate/adapted mouse			
Computer switch interface			
Touch window			
Talking word processor/word			
prediction/abbreviation & expansion			
Transfer aids - Hoists/lifts			
Mobility aids (not wheelchairs)			
Adapted environment (e.g., doors,			
fixtures, furniture)			
Electronic equipment for instruction			
(calculator, e-books)			
Adapted instructional materials			
Instructional software			
Computer stations			
Adapted art/craft materials			
Adapted sports/recreation equipment			
Adapted toys			
Other (specify):			



Environmental Observation Summary

Activity/Task(s) observed:

Ways that typical students participated:

Ways the target student participated:

Barriers to target student's participation:

Adapted from:

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Wirkus-Pallaske, M., Reed, P., & Stokes, S. (2000). Wisconsin Assistive Technology Initiative. Oshkosh, WI: Wisconsin Assistive Technology Initiative.

Center for Instructional Development and Research. (1998). Classroom observation. *CIDR Teaching and Learning Bulletin*, 1(4), Available online: http://depts.washington.edu/ObsTools.htm

Pearson, L. (no date). *Apraxia guide: Classroom observation checklist*. Available online: <u>http://hometown.aol.com/lynetteprs/myhomepage/profile.html</u>



WATI Assistive Technology Decision Making Guide

Referral Question

PROBLEM IDENTIFICATION				
Student's Abilities/Difficulties	Environmental Considerations	Tasks		
Writing/Use of Hands Communication Reading/Academics Mobility Vision Hearing Behavior Other	e.g. Classroom Playground Lunch Room Home, etc. In Each: Technology Equipment Available Room Arrangement, Lighting Sound Activities, etc.	e.g. Produce legible written material Produce audible speech Read text Complete math problems Participate in recreation/leisure Move independently in the school environment		
		Reframed Question		
		i.e. Specific task identified for solution generation		
SOLUTION GENERATION	Solution Selection	Implementation Plan		
Brainstorming Only No Decision	Discuss & Select Idea from Solution Generation	AT Trials/Services Needed: Date Length Person Responsible		
		Follow-Up Plan		
		Who & When Set specific date now.		

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Important: It is intended that you use this as a guide. Each topic should be written in large print where everyone can see them, i.e. on a flip chart or board. Information should then be transferred to paper for distribution, file, and future reference.



WATI Assistive Technology Checklist

COMPUTER ACCESS

- □ Keyboard using accessibility options
- □ Word prediction, abbreviation/expansion to reduce keystrokes
- □ Keyguard
- □ Arm support
- Track ball/track pad/joystick with on-screen keyboard
- □ Alternate keyboard
- □ Mouth stick/head mouse with on-screen keyboard
- □ Switch with Morse code
- □ Switch with scanning
- □ Voice recognition software
- Other: ____

WRITING

Motor Aspects of Writing

- □ Regular pencil/pen
- Pencil/pen with adaptive grip
- □ Adapted paper (e.g. raised line, highlighted lines)
- □ Slantboard
- □ Use of prewritten words/phrases
- Portable word processor to keyboard instead of write
- **Computer with word processing software**
- Portable scanner with word processing software
- Voice recognition software to word process
- □ Other: ___

Composing Written Material

- □ Word cards/word book/word wall
- Pocket dictionary/thesaurus
- **U** Writing templates
- Electronic/talking electronic dictionary/thesaurus/spell checker
- □ Word processing with spell checker/grammar checker
- □ Talking word processing
- □ Abbreviation/expansion
- □ Word processing with writing supports
- Multimedia software
- □ Voice recognition software
- □ Other: _____

COMMUNICATION

- Communication board/book with pictures/objects/ letters/words
- □ Eye gaze board/frame communication system
- □ Simple voice output device
- □ Voice output device w/levels
- □ Voice output device w/icon sequencing
- □ Voice output device w/dynamic display
- Device w/speech synthesis for typing
- □ Other: _

READING, STUDYING, AND MATH

Reading

- Standard text
- Predictable books
- Changes in text size, spacing, color, background color
- □ Book adapted for page turning (e.g. page fluffers, 3-ring binder)
- □ Use of pictures/symbols with text
- Talking electronic device/software to pronounce challenging words
- □ Single word scanners
- □ Scanner w/OCR and text to speech software
- □ Software to read websites and emails
- **Other**:

Learning/Studying

- □ Print or picture schedule
- Low tech aids to find materials (e.g. index tabs, color coded folders)
- Highlight text (e.g. markers, highlight tape, ruler, etc.)
- □ Recorded material (books on tape, taped lectures with number coded index, etc.)
- □ Voice output reminders for assignments, steps of task, etc.
- □ Electronic organizers
- □ Pagers/electronic reminders
- □ Hand-held scanners
- Software for concept development/manipulation of objects – may use alternate input device, e.g. switch,
- Touch Window
- □ Software for organization of ideas and studying
- Palm computers
- □ Other:

Math

- □ Abacus/Math Line
- Enlarged math worksheets
- □ Low tech alternatives for answering
- □ Math "Smart Chart"
- □ Money calculator and Coinulator
- □ Tactile/voice output measuring devices
- □ Talking watches/clocks
- Calculator/calculator with printout
- Calculator with large keys and/or large display
- □ Talking calculator
- Calculator with special features (e.g. fraction translation)
- □ On-screen/scanning calculator
- □ Alternative keyboard
- □ Software with cueing for math computation (may use adapted input methods)
- □ Other: _



RECREATION AND LEISURE

- □ Toys adapted with Velcro, magnets, handles, etc.
- Toys adapted for single switch operation
- □ Adaptive sporting equipment (e.g. lighted or beeping ball)
- □ Universal cuff/strap to hold crayons, markers, etc.
- □ Modified utensils (e.g. rubber stamps, brushes, etc.)
- Ergo Rest or other arm support for drawing/painting
- Electronic aids to control/operate TV, VCR, CD player, etc.
- □ Software
- **Completion** of art activities
- Games on the computer
- □ Other computer software
- □ Other: _

ACTIVITIES OF DAILY LIVING (ADLS)

- □ Non slip materials to hold things in place
- □ Universal cuff/strap to hold items in hand
- Color coded items for easier locating and identifying
- Adaptive eating utensils (e.g. foam handles, deep sides)
- Adaptive drinking devices (e.g. cup with cut-out rim)
- □ Adaptive dressing equipment (e.g. button hook, elastic shoelaces, Velcro instead of buttons, etc.)
- □ Adaptive devices for hygiene (e.g. adapted toothbrush, raised toilet seat, etc.)
- □ Adaptive bathing devices
- □ Adaptive equipment for cooking
- □ Other: ___

MOBILITY

Walker

- Grab bars and rails
- □ Manual wheelchair including sports chair
- D Powered mobility toy (e.g. Cooper Car, GoBot)
- Powered scooter or cart
- D Powered wheelchair w/ joystick or other control
- □ Adapted vehicle for driving
- □ Other: _____

POSITIONING AND SEATING

- Non-slip surface on chair to prevent slipping (e.g. Dycem)
- □ Bolster, rolled towel, blocks for feet
- □ Adapted/alternate chair, sidelyer, stander
- Custom fitted wheelchair or insert
- **O**ther: _____

VISION

- □ Eye glasses
- Optical aids
- □ Large print materials
- □ Auditory materials
- □ Dictation software (voice input)
- CCTV (closed circuit television)
- □ Screen magnifier (mounted over screen)
- □ Screen magnification software
- □ Screen color contrast
- □ Screen reader, text reader
- Braille notetaker
- □ Braille translation software
- □ Braille embosser
- Enlarged or Braille/tactile labels for keyboard
- □ Alternate keyboard
- □ Other: _____

HEARING

- Pen and paper
- Computer/portable word processor
- \square TDD for phone access with or without relay
- □ Signaling device (e.g. flashing light or vibrating pager)
- Closed captioning
- Real Time captioning
- Computer aided note taking
- □ Screen flash for alert signals on computer
- □ Phone amplifier
- Personal amplification system/hearing aid
- □ FM or loop system
- □ Infrared system
- □ Other: _____

COMMENTS

WATI Assistive Technology Trial Use Guide

AT to be tried:		
Student's Name:		
Meeting Date:	202	
School/Agency:		
Grade/Placement:		
Contact Person(s):		
School/Agency Phone:	Address:	
Persons Completing Guide:		
Parent(s) Name:	Phone:	
Parent(s) Address:		
Goal for AT use:		

ACQUISITION

Source(s)	Person Responsibl	e Date(s) Available	Date Received	Date Returned

Person primarily responsible to learn to operate this AT:

Training

Person(s) to be trained	Training Required	Date Begun	Date Completed



MANAGEMENT/SUPPORT

Location(s)	Support to be provided (e.g. set up, trouble shoot, recharge, program, etc.)	Person Responsible

Student Use

Date	Time Used	Location	Task(s)	Outcome(s)

WATI Assistive Technology Trial Use Summary

Student's Name:	Age:	Date Completed:	
Person(s) Completing Summary:			_
Task Being Addressed During Trial			
Criteria for Success			

AT Tried	Dates Used	Criteria Met?	Comments (e.g. advantages, disadvantages, preferences, performance)

Recommendations for IEP: _____

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The W.A.T.I. Assessment Forms

Assistive Technology

The WATI Assistive Technology Assessment is a process based, systematic approach to providing a functional evaluation of the student's need for assistive technology in their customary environment.

(Please note: This is <u>not</u> a test protocol. There is no scoring involved.)

List of Forms

WATI Assistive Technology Consideration Guide WATI Assistive Technology Assessment Directions/Procedure Guide Referral/Question Identification Guide WATI Student Information Guide Environmental Observation Guide Environmental Observation Summary WATI Assistive Technology Decision Making Guide WATI Assistive Technology Assessment Technology Checklist WATI Assistive Technology Trial Use Guide WATI Assistive Technology Trial Use Summary