

Writing Supports and Accommodations for Students with Autism

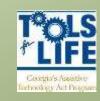
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This Session is being Recorded

You will be able to access the archive of this and other webinars at

www.gatfl.org





Credits

- CEUs are approved for .10 clock hours and are administered through Georgia Tech Professional Education
- CRCs are approved for 1.0 clock hours and are administered through the Commission on Rehabilitation Counselor Certification
 - To receive your verification form, send an e-mail with the webinar title and date to Liz.Persaud@gatfl.gatech.edu



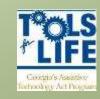


Webinar Evaluation

At the end of today's webinar, we ask that you please take a moment to complete our survey:

https://www.research.net/s/TFLwebinar





Join us for Upcoming Webinars!

A Research Approach to AAC Solutions for Individuals with Autism

September 25

3:00pm to 4:00pm

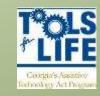
Dr. Ben Satterfield

GATE Seminar

Friday, December 5, 2014 Georgia Tech Student Center

Visit <u>www.gatfl.org</u> for the full schedule to sign up for the TFL mailing list to receive our webinar announcements.







HOME ASSISTIVE TECHNOLOGY TFL NETWORK CALENDAR OF EVENTS



L Search our Site

Go

TRAINING

FUNDING:

PUBLICATIONS

TEL WIKE

MEET THE TFL TEAM

MEET THE ADVISORY COUNCIL

DIRECTIONS/MAP

JOIN OUR MAILING LIST

SCHEDULE A TOUR



Welcome to Tools for Life

Tools for Life, Georgia's Assistive Technology Act Program, is dedicated to increasing access to and acquisition of assistive technology (AT) devices and services for Georgians of all ages and disabilities so they can live, learn, workand play independently and with greater freedom in communities of their choice.

Tools for Life and the TFL Network work collaboratively together to accomplish our mission through:

WEBINARS

AUG

On Your Mark, Get Set, Play! Exploring AT for Living and Adapted Recreation

- Current Webinar Schedule
- Webiner Archives

TOOLS FOR LIFE APPFINDER



....for Living, Learning, Working, and Playing.

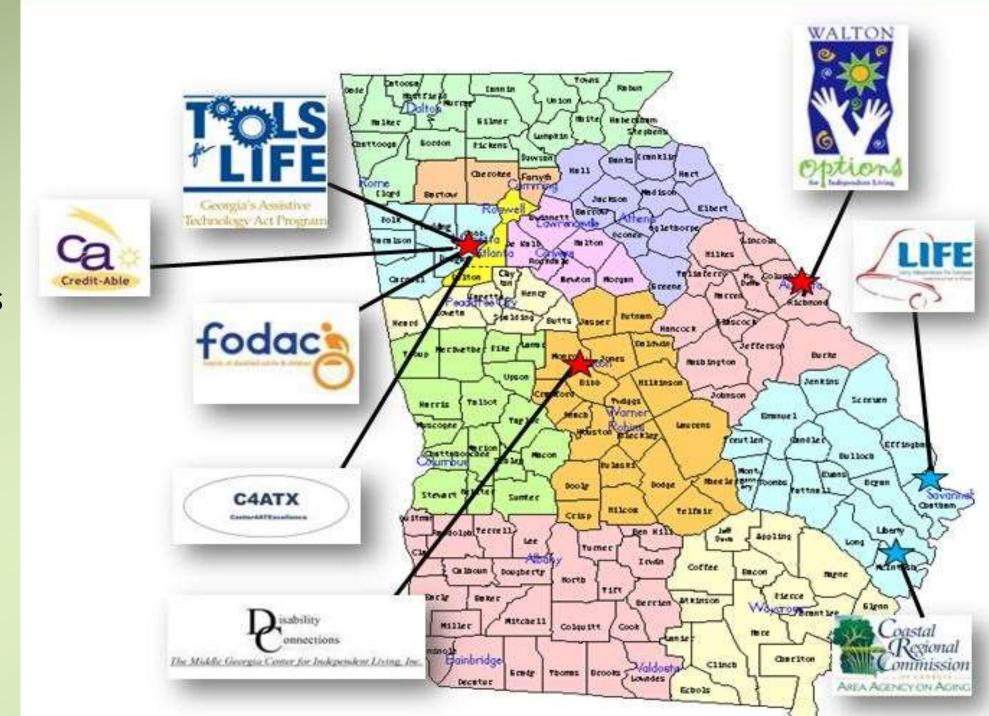
AT ONLINE EXCHANGE



AT FUNDING GUIDE

DOLLARS & SENSE

- AT Lending Library
- AT Evaluations& Training
- AT Demos
- Resource and Assistance
- AT Funding Assistance
- DME Reuse



Today's Goal:

Through the use of Classroom Resources, Visual Supports, Accommodations, and Assistive Technology, we hope to minimize frustration, increase independence and time on task, and maximize the abilities of individuals with autism.

The GPAT Consideration Checklist is based on the SETT Framework for Considering AT. For each student, we think about:

- Student
- Environment
- Tasks
- Tools



All students are unique, but...

- Sensory Issues
- Visual Learners
- Need for Structure
- Resistant to change
- Areas of strength and areas of weakness
- Problems with executive functioning and writing
- Difficulty with empathy and social interactions
- Some hyper-focus or perseveration
- Meltdowns with frustration



Serving Students in a UDL Environment

Before we start thinking about accommodations, what works for all students?

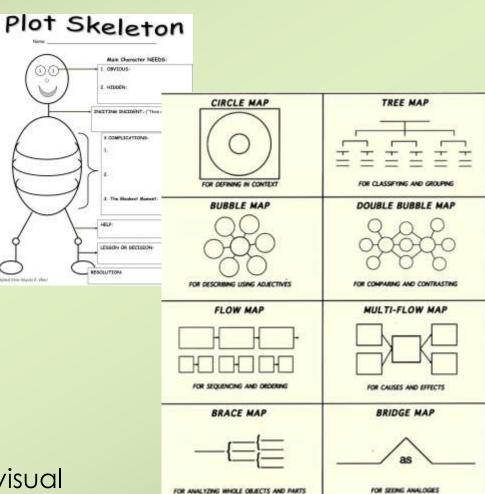
- Brain-based strategies
- Sound Instructional Strategies
- Sound Classroom Management
- Technology Tools

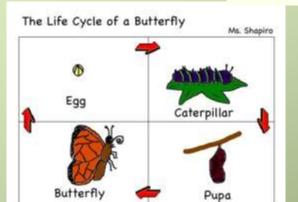


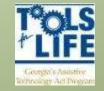
UDL Example: Graphic Organizers

- Pre-writing
 - Low tech organizers (Thinking Maps)
 - Computer based tools Inspiration,
 Kidspiration App Popplet
- Vocabulary Development
- Organization of information
 - Science make processes or procedures visual









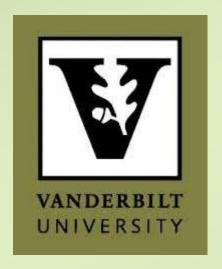
What Does the Research Tell Us about Students with Autism and Writing?

Considerations:

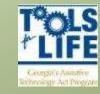
- Sensory Issues
- Language Processing
- Executive Functioning, Organization
- Motor control

New Research Vanderbilt University

"One of the classic pictures of children with autism is they have their hands over their ears. We believe that one reason for this may be that they are trying to compensate for their changes in sensory function by simply looking at one sense at a time. This may be a strategy to minimize the confusion between the senses." Mark Wallace, Ph.D., director of the Vanderbilt Brain Institute.







http://news.vanderbilt.edu/2013/04/autism-robot-helps-children/

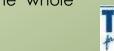
Legacy Research

Prizant (1983)

units."

"Individuals with autism have trouble segmenting incoming speech into meaningful word

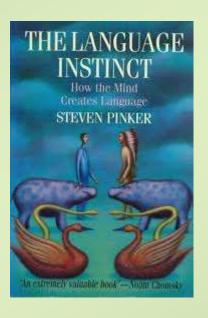




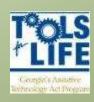
Legacy Research

Stephen Pinker (1994)

"...one word runs into the next seamlessly; there are no little silences between spoken words the way there are white spaces between written words. We simply hallucinate word boundaries when we reach the end of a stretch of sound that matches some entry in our mental dictionary."



<u>Pinker, S.</u> (1994) The Language Instinct: How the Mind Creates Language. New York: HarperCollins.



Writing Research

Kathy Oehler (2013)

"Most students with autism spectrum disorder (ASD) hate to write... Even a simple writing assignment can trigger a major meltdown. The process of writing requires much more than the ability to form pretty letters. The writing process involves skills in language, organization, motor control and planning, and sensory processing: four areas that are problematic for many individuals with ASD. It is essential that parents and teachers consider how each of these areas may be affecting a student's aversion to the writing process."





Writing Supports in the General Ed Classroom

- Handheld Dictionary
- Portable Word Processor
- Alternate Keyboard
- Low Tech Writing Tools
- Timers









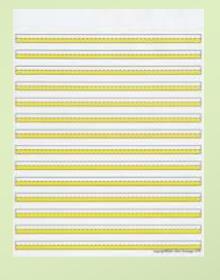


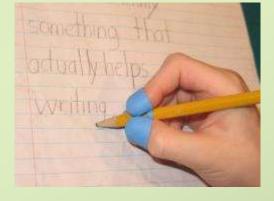
Low Tech Tool Kit

Increase focus, reduce frustration

- Pencil grips and alternate pencils and pens
- Alternate papers

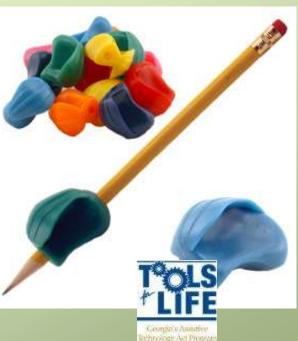






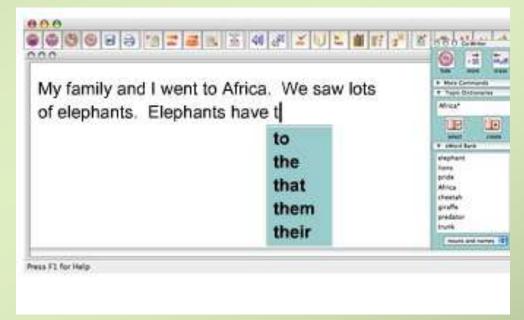
Low Tech AT Tool Kit for each school

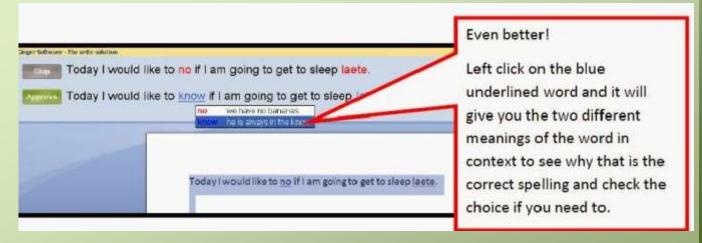




Writing without a pencil

- Word Processing with Auditory Feedback
- Word Prediction
- Spelling and Grammar Support
- Voice to text
- Word Banks





Advanced Reading & Writing Aids

Writing Features:

- Writing Organization Support
- Talking Word Processor
- Talking Spell Checker & Thesaurus
- Word Prediction
- Editing Checklist

Some Examples:

- Kurzweil 3000
- SOLO
- Read & Write Gold
- Wynn
- Premier

Writing features support current writing strategies





iReadWrite

- Text-to-Speech with Dual Color Highlighting
- Contextual Word Prediction
- Phonetic Spell Checker
- Sounds Like and Confusable Word Checker
- Text and Picture Dictionary
- Customizable Background and Text Colors
- Choice of Voices and Fonts
- Import Documents
- Share, Print, and Export Documents











Co:Writer

- Word prediction.
- Topic dictionaries
- Spelling support
- Grammar support
- Speech support
- Store and export writing



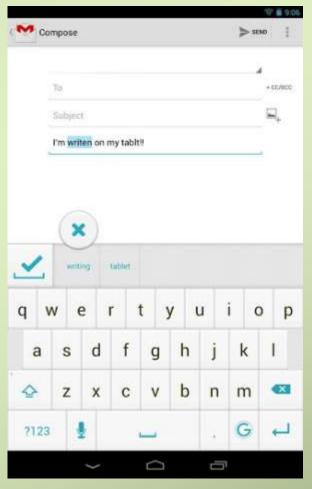






Ginger

- Free app (lite) also PC
- Pay for premium version
- Grammar and Spell checker
- Personal Assistant
- Use it to correct text messages, Gmail and Outlook emails, and even social media apps such as Facebook



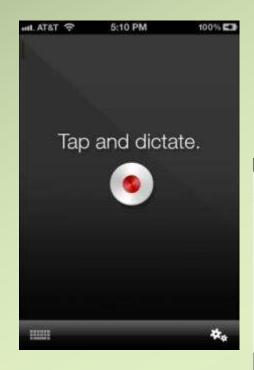




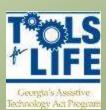
Dragon Dictation 6

Hi John call me when you get this e-mail. I'm running a

little bit late.

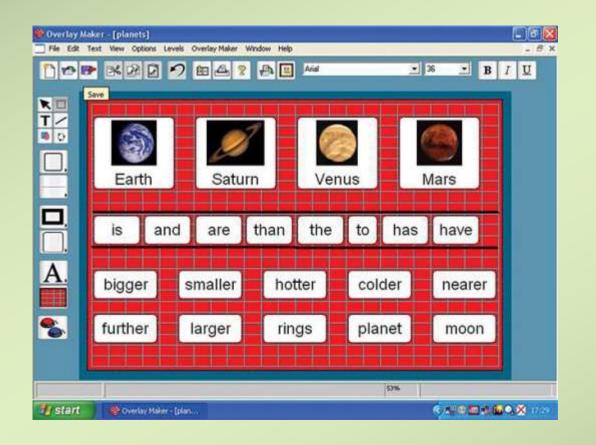


- Speech Recognition
- Free App on iTunes & Android Play Store
- PC product (Premium)
- Speech recognition feature on Win PC
- Dragon Dictate Mac PC
- Dictate notes, emails,
 Twitter, and Facebook
- Cut, Copy, Paste



Writing with Whole Words

IntelliKeys and Overlays









Writing with Whole Words

Clicker 6

First Author





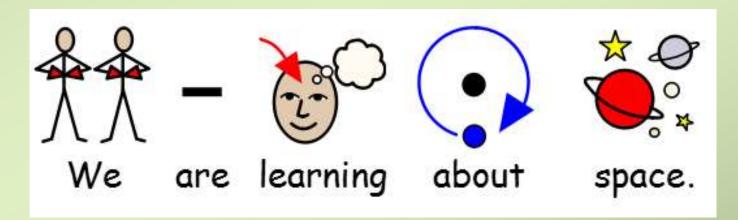


Writing with Visual Supports

Typing words and getting pictures

- Boardmaker
- Symwriter
- Pixwriter





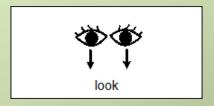


Minimizing Frustration, Increasing Independence

- Sensory concerns
 - Lights colored filters
 - Noise level using hand signs instead of auditory cues for attention
 - Classroom audio system
 - Build in sensory timeouts study carrel, area to swing or rest
 - Use weighted vest or lap weight
 - Fidgets, Chair cushion
 - Timers
 - Desktop icons to represent "I need help" or "I need a break",

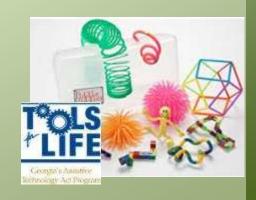










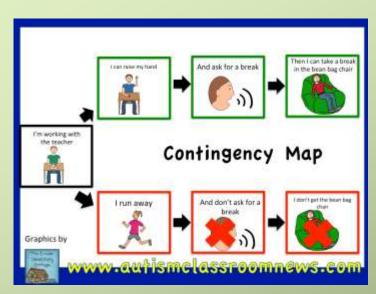


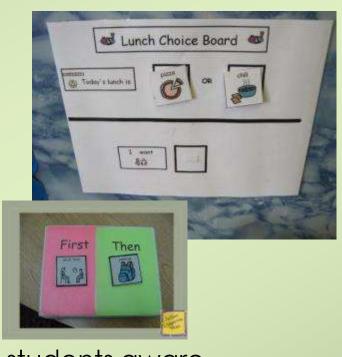
Minimizing Frustration, Increasing Independence

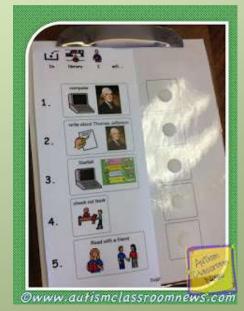
- Make language visible
 - Classroom routines
 - Expectations during circle time, lunch, recess, walking in line, media center, music
 - Schedule for the day anticipate changes and make students aware
 - Lunch Menu choice







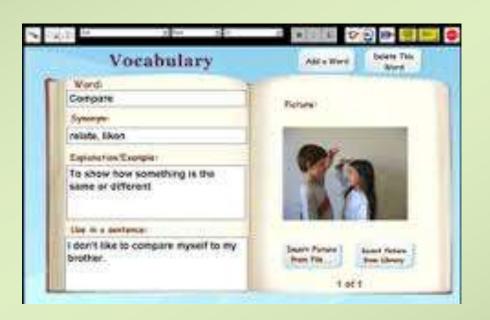




Other Ideas

- Vocabulary graphic organizers allow students to construct understanding of new words, context for the word, synonyms and antonyms, graphic representation
- Current Events –
 News-o-matic,
 News-2-You







Webinar Evaluation

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