

Georgia's Assistive
Technology Act Program



Top Ten Assistive Technology for Inclusion

Carolyn Phillips and Martha Rust
With Contributions by Liz Persaud

Tools for Life

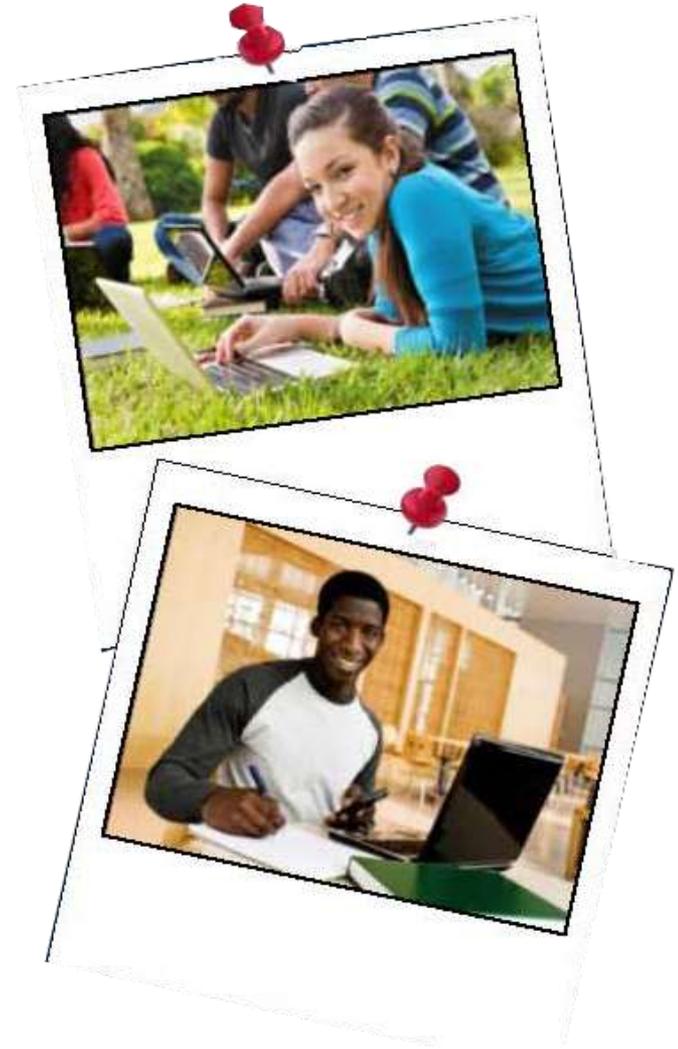
www.gatfl.org

www.amacusg.org



AMAC

AMAC Accessibility is a social change organization on a mission to create affordable services for governmental, private and non-profits organization working with individuals with disabilities. Services include e-text, braille, captioning, assistive technology, office management software and consulting.





Accessibility Made Smart

AMAC creates practical solutions that work, with a focus on utility, ease of use, and high quality.

- **Accessibility Consulting** focuses on organizational accessibility needs with evaluation, technical assistance, customer support, and website accessibility solutions.
- **Braille Services** produces customized projects from both print materials and electronic text including partial books and chapters or graphics only using cutting-edge technology.
- **Captioning Services** makes classrooms, meetings, labs and other audio environments fully accessible for deaf or hard-of-hearing.
- **Professional E-Text Producers** provide high-quality e-text in many formats such as PDF, DOC, DAISY, and HTML.
- **Certified Assistive Technology team** provides on-site and remote assessments, demonstrations, training and technical assistance for education, work, and daily living environments.

For more information, please visit our website at www.amacusg.org

Tools for Life Mission

We're here to help Georgians with disabilities gain access to and acquisition of assistive technology devices and assistive technology services so they can live, learn, work, and play independently in the communities of their choice.

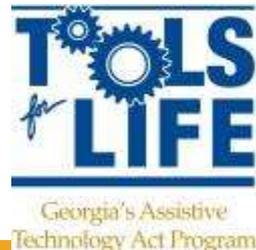




Tools for Life

Georgia's Federal AT Act Program

- TFL developed Georgia's Plan for AT
- We serve individuals of all ages & all disabilities in Georgia
 - Over 50,000 thru various activities throughout the year
- TFL Network
 - Assistive Technology Resource Centers
 - Lending Libraries
 - Training and Demonstrations
 - AT Reuse
 - AT Funding Education/Assistance and Resources
- Online Resources
 - www.gatfl.org - 12,000 unique visitors a month



What is Ergonomics

- Greek word: Laws of Work
- Science that studies work in various environments, and the tools used to perform tasks in those environments
- Goal: match the capabilities and “limitations” of the human body



Ergonomics in the Classroom Areas to Evaluate

- Chair
- Monitor
- Desk
- Keyboard & mouse



Poor Sitting Posture

- Inhibits blood flow
- Creates muscle shortening
- Stresses back muscles and compresses spine
- Can inhibit learning
- Compresses diaphragm
 - Affects breathing
 - Voice quality



Eating

Position for Eating

- Let's consider how ergonomics in the cafeteria can affect a student:
 - Posture
 - Safety
 - Inclusion & Making friends



Position for Eating

- **Inclusion**

- Often, poor ergonomics while eating results in a quick and sometimes not necessary solution for this activity - provide a Parapro.
- Lunch time is a wonderful social activity for students. This is a time where they can relax, have conversation, and be with their friends.
- Children with that sense of belongingness are not feeling excluded. They are more likely to be able to focus and feel comfortable at school.



Automatic Feeder

- Mealtime Partner
- Different mounts
- Battery operated
- Bowl tops controls amount of food
- Control Pause time between spoonful
- Adjustability of the spoon





Picture of the Mealttime Partners Mounted on the Support Arm

Individuals who have limited range of upper body control or who fatigue easily from the effort of controlling their body movement should use *the Partner* mounted on the Support Arm. The Support Arm allows *the Partner* to be positioned so that the spoon, when extended out from the device, is positioned very close to the user's bottom lip. With *the Partner* positioned this way, the user only has to lean forward slightly to take food off of the spoon, thus the user exerts very little effort.

Utensils





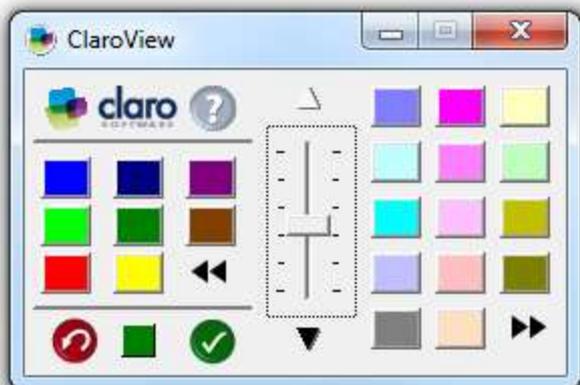
Reading

ClaroRead

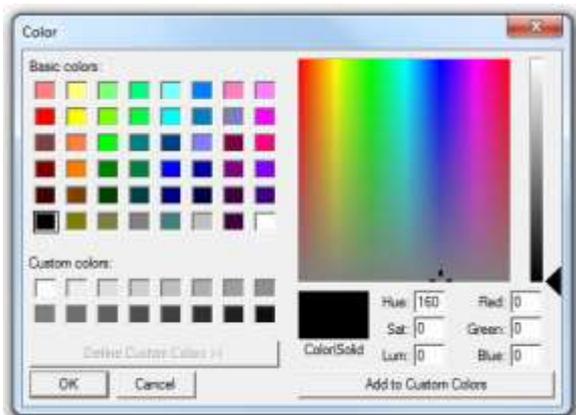
- Reads text as it highlights
- Moveable tool bar
- Can read doc, PDFs, internet, and more
- 6.2 version
 - In Europe
 - Can save directly to itunes
 - Create a video
- Can change highlighting colors
- www.claroread.com



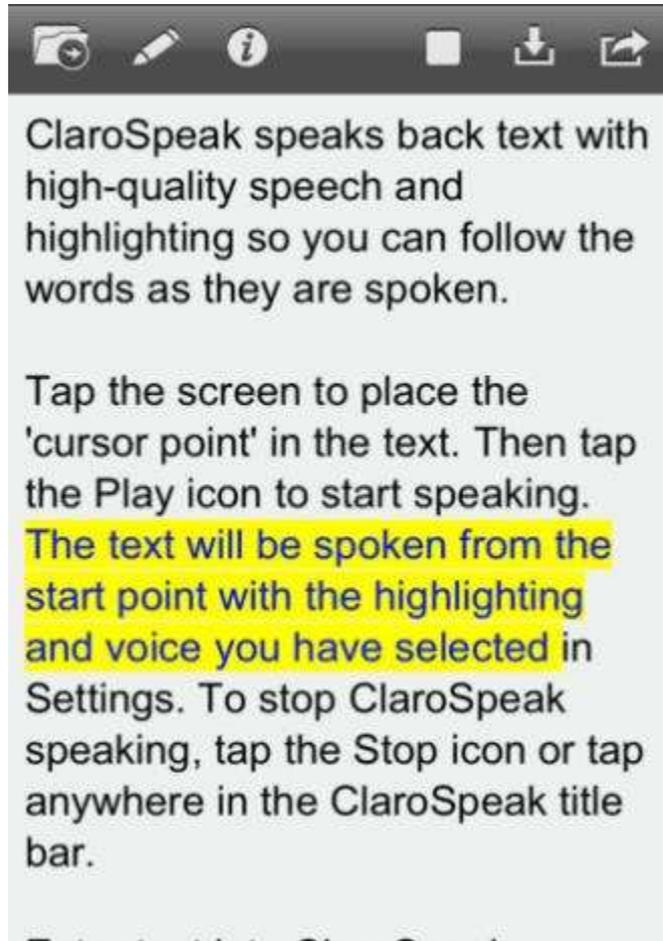
ClaroView



- easy to use software application that can assist certain PC users
- make browsing and reading easier
- work with any piece of software, as it acts as an overlay on the PC screen
- [Demo](#)



ClaroSpeak US



- Text-to-Speech
 - import documents and PDFs into ClaroSpeak from apps such as Mail, or import PDF, Word, Pages and other files directly from Dropbox using
- Change font and color
- Save text as an audio file
- Visual Tracking
- Send Text

Dolphin Easy Reader

- Digital talking book player.
- Reads DAISY files including MathML XML files.
- Content is easy to navigate
- Skip through sentences, headings, pages and bookmarks to highlight areas of interest.
- Control the speed, volume and pitch of the reading voice





Find a word



Speed



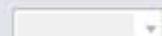
Volume



Headings



130%



Headings

Welcome to Dolphin EasyReader



Nav Points



Bookmarks



Search



Highlight



Style



Book Voice



Speak to me



Settings



Welcome to Dolphin EasyReader

Get started with the options below or use the menus to begin reading.



Open a new book (press Ctrl+O)



Open recent books (press Ctrl+Shift+O)



EasyReader Help (press F1)

To read some free sample books, visit the **Dolphin website**.

For more information about EasyReader and other Dolphin software, visit the **Dolphin website**.

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10/28/2013

Premier Software

- www.readingmadeeZ.com
- Read documents in standard file formats such as Microsoft Word, Rich Text, text file format, HTML, and PDF
- Converted to audio files for use on a CD or MP3 player
- Scan and read documents
- Look up a word or definition in the integrated dictionary
- Create study notes and much more!



Premier Features

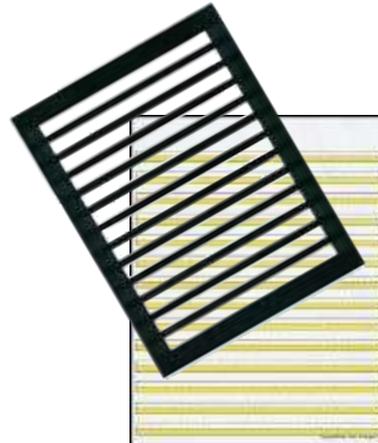
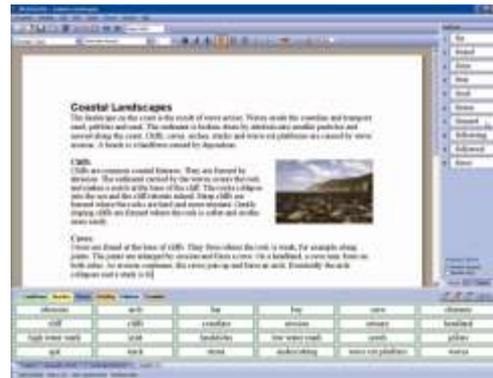
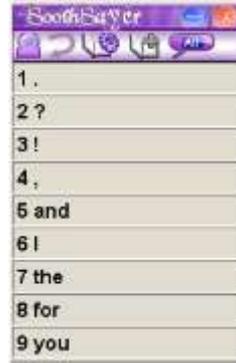
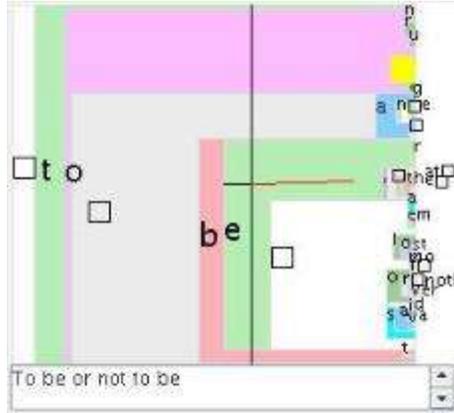
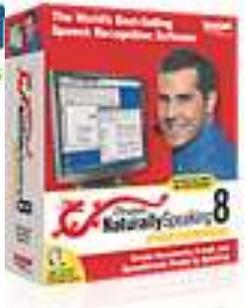
- PDF Equalizer
- E-Text Reader
- Universal Reader Plus
- Scan and Read Pro
- Talking Word Processor
- PDF Magic Pro
- Text-to-Audio
- Ultimate Talking Dictionary
- Talking Calculator
- Premier Predictor Pro



Writing



Writing



Live Scribe Pen

- Records what it hears and what you write
- Uses specific paper for playback
- Connects to computer by USB for saving
- Tap on note and playback from there
- Jump forward and back in notes
- Dictionary
- Translation Apps
- Purchase Apps online
- [Demo](#)





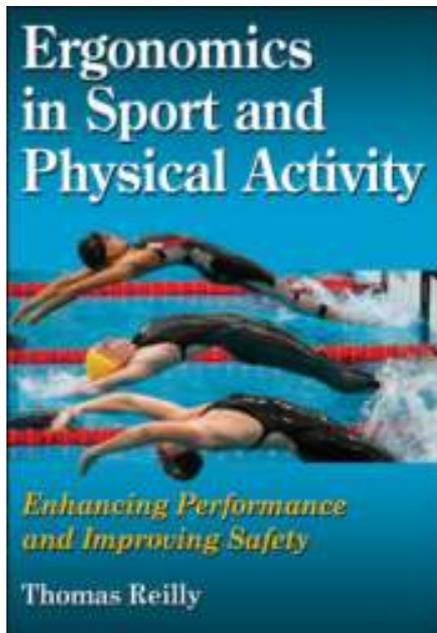
Recreation

Power Fish'n and Trigger Finger

- Electronic power assist fishing reel
- Attaches to a fishing pole
- One finger push
- Straightens out trigger finger so that an individual can shoot



Ergonomics in Sport & Physical Activity



- *Ergonomics in Sport and Physical Activity: Enhancing Performance and Improving Safety* is the first text to provide an in-depth discussion of how the principles of ergonomics can be applied in the context of sport and other physical activities to reduce injury and improve performance. The text blends concepts from biomechanics, physiology, and psychology as it shows how ergonomics is applied to physical activity.

This comprehensive text outlines methods for assessing risk in and procedures for dealing with stress, eliminating hazards, and evaluating challenges posed in specific work or sport environments. It discusses issues such as the design of effective equipment, clothing, and playing surfaces; methods of assessing risk in situations; and staying within appropriate training levels to reduce fatigue and avoid overtraining. The text not only examines sport ergonomics but also discusses ergonomic considerations for physically active special populations.

Ergonomics in Sport and Physical Activity explains what ergonomics is, how ergonomists solve practical problems in the workplace, and how principles of ergonomics are applied in the context of sport and other physical activities when solving practical problems related to human characteristics and capabilities. The text shows readers how to improve performance, achieve optimal efficiency, enhance comfort, and reduce injuries by exploring topics such as these:

Essential concepts, terms, and principles of ergonomics and how these relate to physical activity

- Physical properties of the body and the factors limiting performance
- Interactions between the individual, the task, and the environment
- Injury risk factors in relation to body mechanics in various physical activities
- Injury prevention and individual protection in the review of sports equipment and sports environments
- Comfort, efficiency, safety, and details of systems criteria in equipment design

Ergonomics on the Playground & PE



- Safety
- Inclusion
- Fun!

Ergonomics at the School Carnival



- Safety
- Inclusion
- Fun!





Access

DXT Fingertip Vertical Wireless Mouse

- Ergonomic Relaxed Neutral Wrist and Hand Position
- Precision Grip for Accurate Navigation
 - Small muscles and joints of the fingers have higher processing abilities
- Instantly Switches Between Right and Left Hand
- [Video](#)

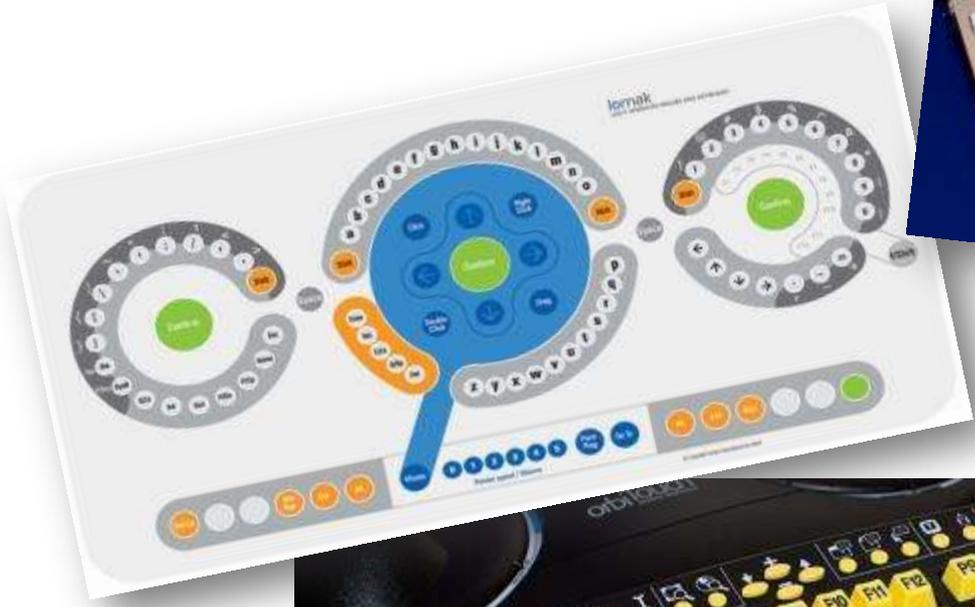


Video Screen Microscope

- Digital Microscope that captures videos and pictures
- Internal Memory and SD Card Slot
- LED Lighting
- 3.5 inch color screen



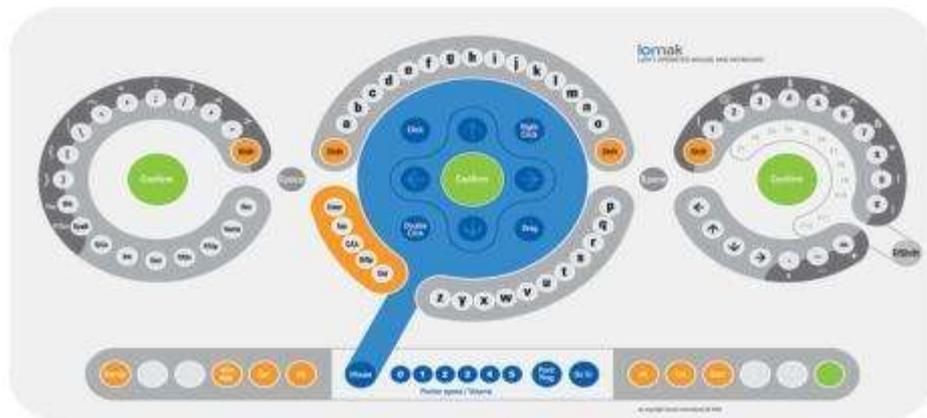
Keyboards



LOMAK

Light Operated Mouse and Keyboard

- Hand or head pointer controls a beam of light that enters, then confirms, function
- Confirmation of keys reduces errors and increases the speed of operation
- Keyboard can be operated with small movements and does not require a lot of energy
- www.lomak.co.nz



Logitech Wireless Touch Keyboard

- Wireless control
- Low-profile keys
- Range of up to 33 ft
- 3.5 inch multi-touch/gesture touchpad



Eyegaze Edge

- Eyegaze System
- Control computer and tablet using your eye
- Environmental Controls
- Communication

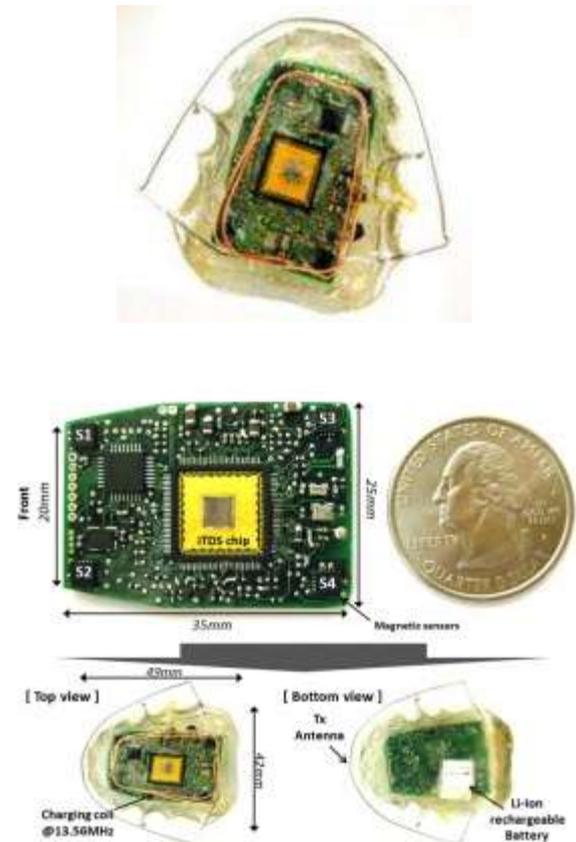


Access - Joystick



Tongue Drive System

- Wireless device that enables people with high-level spinal cord injuries to operate a computer and maneuver an electrically powered wheelchair simply by moving their tongues
- dental retainer embedded with sensors
- detect movement of a tiny magnet attached to the tongue
- Testing with iPods and iPhones
- *GA Tech*
- *Shepherd Center and Rehab Institute of Chicago*





Products / New Products

ASL brings innovative products to our clients! We are here to help each client reach their full potential – our team creates products and designs as a direct result of the needs of those we serve. Our goal has always been independence and equal rights for those we work with....

Driver Control Packages

ASL 138 Extremity Control Joystick



100 Series

Specialty Products & Adaptors

Electronic Switches

ASL 215 Round Proximity Sensor with Mono Port and 24 Volt Connector



200 Series

Specialty Products & Adaptors

Electronic Switches

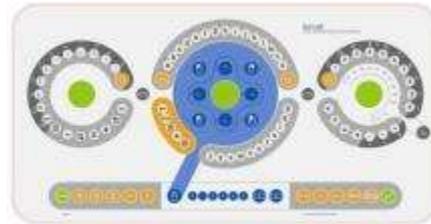
ASL 215 Round Proximity Sensor 3 Pin



200 Series

Specialty Products & Adaptors

Computer Access





Hearing

Interpretype

- Allows individuals who are deaf and/or hard of hearing to communicate with a hearing individual by text
- Can connect a braille display with bluetooth
- Can save conversations



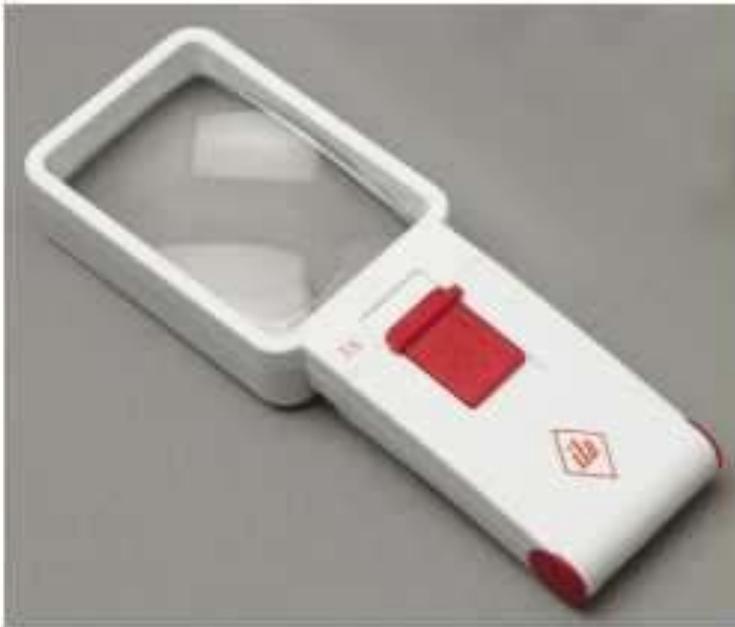
Hearing





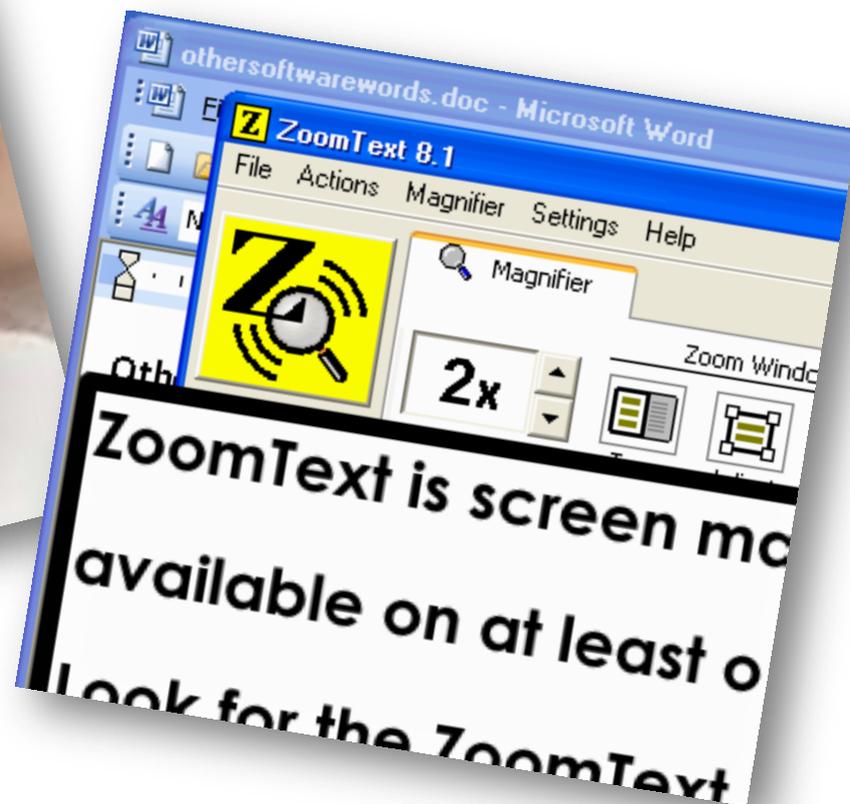
Vision

LED Handheld Magnifier



- Handheld
- LED light provides natural bright lights
- Easy storage
- Reading
- Sewing

Magnifiers



Transformer

- Portable video magnifier
- Moveable camera to see items far away
- USB port connects its to a lab top
- Great for students and employees with low vision
- Can change background colors



Sensory



Sensory Needs



twistable, stickable, buildable,
playable one-of-a-kind
creatable!





Memory

Memory



Talk with Us!

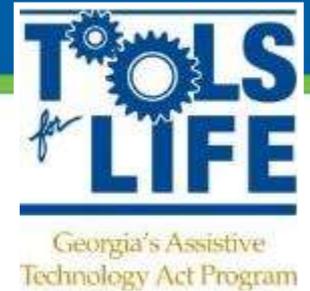
What are Your Favorite Apps?



**Our Question to You:
What have You Learned today?**



Contact



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Disclaimer

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