

Choosing the Right Path: Exploring Assistive Technology for Vison Loss







About Tools for Life

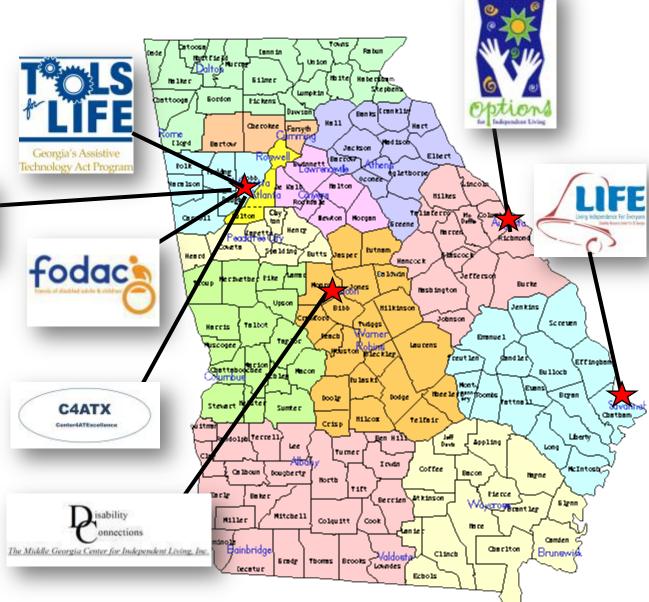
- AT Act Program for state of Georgia
- Serve all ages and all disability types
- Live, learn, work and play
- Increase access to and acquisition of AT
- Loan closet
- www.gatfl.org

AMAC Accessibility for All

Tools for Life Network



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



WALTON

Website: www.gatfl.org







IOME ASSISTIVE TECHNOLOGY

TFL NETWORK CALENDAR OF EVENTS



C Search our Site



TRAINING

FLINDING

PUBLICATIONS

TFL WIKI

MEET THE TFL TEAM

MEET THE ADVISORY COUNCIL

DIRECTIONS/MAP

JOIN OUR

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, work and play independently and with greater freedom in communities of their chalce.





TOOLS FOR LIFE APPFINDER



Direct AT Service Activities

DOLLARS & SENSE NAVIGATING THE AT FUNDING STREAM

- Web-based Funding Guide
- A resource for locating funding sources for AT devices and services. This guide was developed to make the funding process easier and to assist consumers in getting the assistive technology they need.
- New resources added frequently!

Georgia's Alternative Financing





Credit-Able Program Criteria



To receive a Credit-Able Loan you must be:

A resident of Georgia

AND

- An individual with a disability OR
- A family member or legal guardian of an individual with a disability OR
- An employer of an individual with a disability
- Able to pay back the loan
- Using the loan to buy assistive technology equipment and services



What is Assistive Technology?

Assistive Technology Device

...any item, piece of equipment or product that is used to increase, maintain or improve functional capabilities of individuals with disabilities.

- Public Law 105-394 [29 USC 2201]

Low/No-tech

- pencil grip
- adapted books
- slant board
- highlighters, tape
- magnifiers
- color coding
- read to out loud
- picture schedule
- strategies for memory
- colored transparencies
- Proof readers
- note taker

Mid-Tech

- word prediction
- text to speech
- speech to text
- spell checkers
- talking calculators
- · digital recorders
- organizers
- e-books
- adapted keyboard
- adapted mouse
- adapted toys
- CCTV
- apps under \$100

High-Tech

- computer/laptops
- tablets/phablets
- smartphones,
- smartpens
- OCR scanner/software
- magnification software
- speech output devices
- switch, joystick access
- scanning access
- voice recognition
- environmental control devices
- apps over \$100



What AT is the right AT?



Depends on the Individual

- Ask!
- Environmental factors
- Placement
- Low tech options are just as important as mid/high tech (also, more affordable)
- Spatial considerations
- What have they already used?







Asking Avoids Tech Abandonment





Low Tech Options











Home	Membership	Getting Started	Community	Voluntee	r Co	ontribute	About Us	Help	Contact Us	
Email		Password Forgot Password	rd Sign Up	Sea		Advanced S	earch Browse		Quick Links Newspapers 8 Training Donate Now	

An Accessible Online Library

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Audible.com

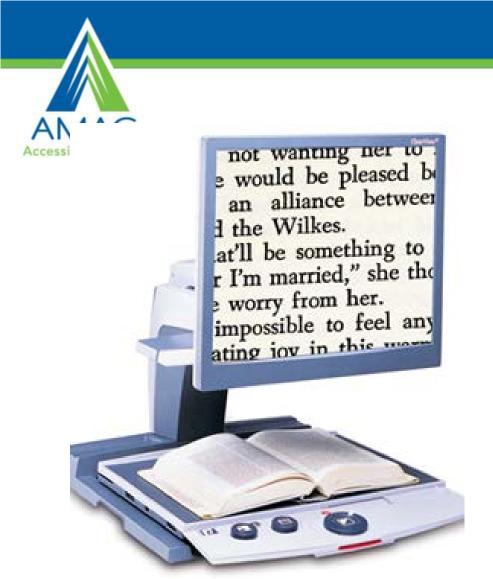
- Digital audiobooks
- Read by Hollywood stars, authors, and professional narrators
- Listen anywhere
- Over 150,000 titles
- Membership
 - \$14.95/ month for one book







Medium Tech Options









BookSense

- Compact and portable DAISY reader
- Compatible with a wide rage of audio format
- Built-in text to speech engine to read a variety of documents
- Ability to record notes

- Listen to books and music on the go
- \$299
- http://www.himsinc.com/products/boo ksense/





Victor Reader Stream (new generation)

 Handheld media player by Humanware

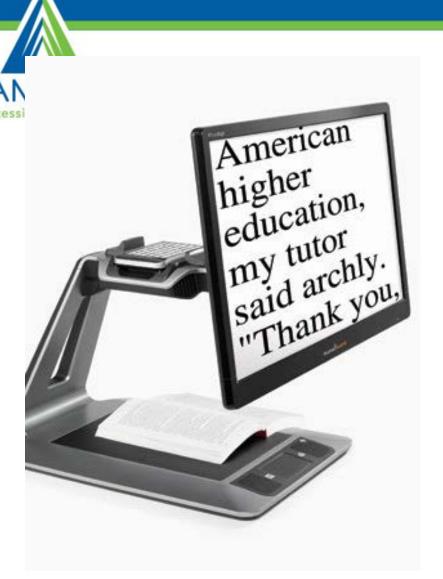


- Plays DAISY books, MP3, MP4, EPUB
- Records voice and media
- Two built-in, humansounding voices
- Built-in wireless networking capability
- \$369



High Tech Options













Portable Video Magnifiers

- Great for Students
- Save images
- Magnify papers and items on the board
- Connect to laptop
- Change background colors





AMAC Accessibility for All

Eye-Pal Ace

- Portable scanner and reader
- Can save images
- Can reader speed
- Calendar
- Very Fast
- Expensive around \$2500





Software

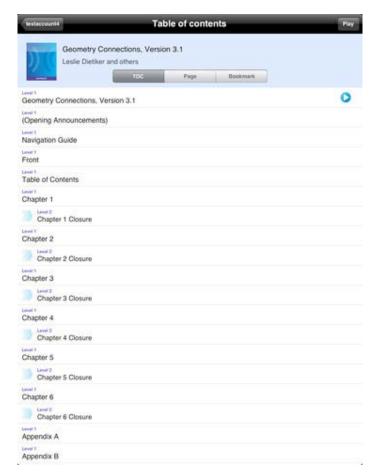


Learning Ally

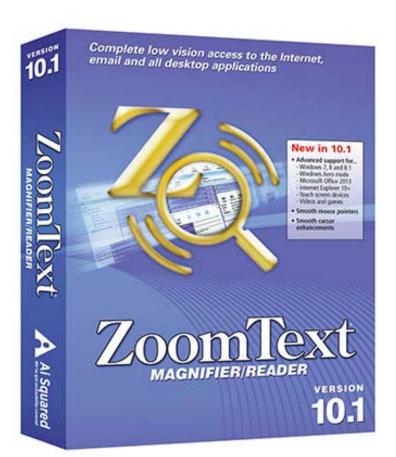
Learning Ally



- DAISY
- Membership required
- over 75,000
 audiobooks, audio
 textbooks, and other
 recorded books
- Free Trial







HARTGEN CONSULTANCY





Accessibility on the Go

- Mobile devices are the most versatile tools at your disposal
- There are apps for many items that would have been a stand alone device in the past
- There are a ton of options out there
- Know your databases and how to use them





Microsoft Surface

- Windows 10
- Slim and has a USB port
- Moveable Tiles
- Built-in Accessibility
 - Speech-to-text
 - Narrator
 - Magnifier
 - High contrast
- Thin pressure sensitive cover that doubles as a keyboard
- Starts at \$499





AMAC Apple iPad Pro/Air/Mini

- Multi touch screen
- Smart Keyboard with iPad Pro
- New iOS 9
- Millions of apps
- Surf web
- iTunes
- HD Video
- Organization
- Accessibility
- Books
- Photos
- Speakers
- 5.0 megapixel camera







TFL AppFinder



Search by:

- ✓ App Name
- ✓ Categories
 - Book
 - Education
 - Environmental Adaptations
 - Hearing
 - Cognition, Learning,
 Developmental
 - Navigation
 - Personal Care and Safety
 - Productivity
 - Communication
 - Therapeutic Aids
 - Vision



Apple Vis

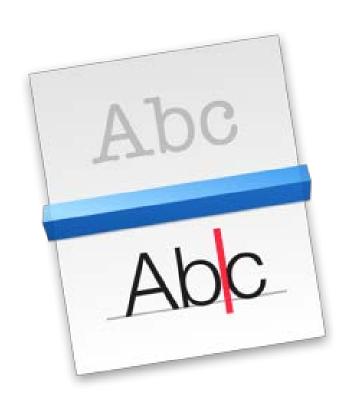
- http://www.applevis.com/apps
- Specifically for iOS/Apple ecosystem
- Specifically for blind/low vision apps
- Robust database, reviewed by accessibility users





OCR

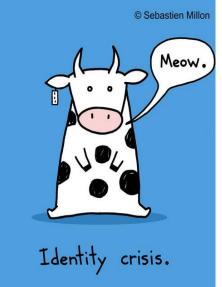
- Optical Character Recognition
- Many options and various price points
- Not a good option for handwriting, images can be tricky
- KNFB Reader- \$99
- Prizmo- 9.99
- Office Lens- Free





Apps for Identification

- Use the camera to get descriptions and products
- CamFind- Free
- TapTap See- 10 IDs free, then you buy bundles
- Google Goggles- free





Scanning

- Accessibility in a pinch (literally)
- Great for receipts, class notes, handouts, etc
- Synchs to the cloud
- Office Lens, free
- Scanner Pro, \$2.99
- Your camera, free







Video Magnifiers

- Resolution is key
- Very versatile devices
- Mobile or desktop?
- OCR functionality

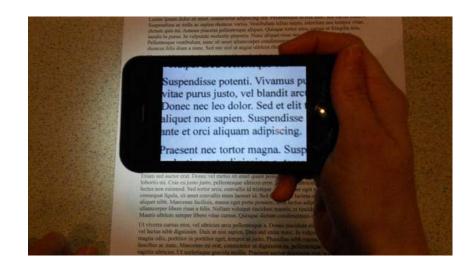






Magnification Apps

- Many options and various price points
- Pros/Cons
- Magnifying Glass, free/paid
- Magnifier 30x



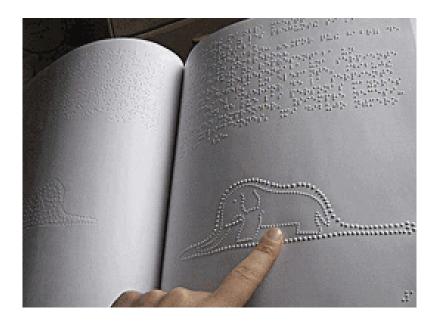


Another alternative (format)













What's New In AT and the AT Community:



eSight



- Video Magnifier for your face
- Low vision/high partial
- Stationary and walking mode
- Product of Canada
- Very expensive
- Little competition



Hello Guest | Login

Home

Order

Q&A

In the News

About

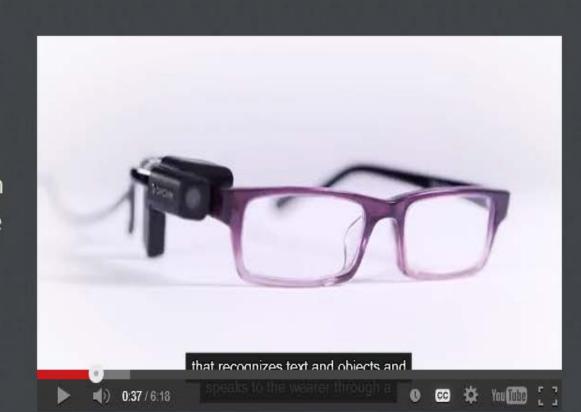
Contact

See for Yourself

What is OrCam?

OrCam is an intuitive portable device with a smart camera designed to assist people who are visually impaired.

OrCam gives independence.



AMAC Accessibility for All

Lochal

- Haptic Footwear
- Uses GPS to let you know where you are
- Connects with app
- www.lechal.com





Apple Watch

- Voiceover
- Zoom
- Haptic Feedback
- "Hey Siri"
- Apple Pay
- Built in Microphone and Speaker
- "Raise to Speak"
- Health App
 - Hourly reminders to stand
 - Heart rate
 - Steps





Amazon Echo



- Speech-controlled speaker system
- Voice recognition further distances
- Timers, news, information
- Invitation only
- \$199, \$99 Prime members



- Worn around the shoulders and aims to fill in the everyday gaps visually impaired users experience using canes, dogs and GPS devices
- U-Shaped
- help them identify everyday indoor items such as escalators, stairs and bathrooms
- built-in cameras will detect the user's surroundings and the device will communicate information using speakers and vibration motors
- be able to interact with the device using voice recognition technology and buttons
- eventually add mapping, object identification and facial recognition technology



Pixie

- Maps all of the digital things in your life
- Place a pixie chip on any device and map will tell you it's precise location
- https://www.getpixie.com/





CARROT Hungry

- Free
- Sarcastic!
- Works well with Voiceover
- Keeps track of calories
- Lets you know how much exercise you will need to do



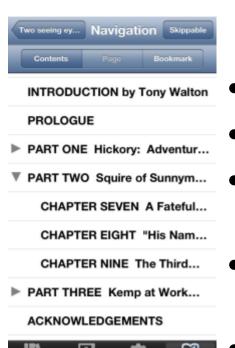


BARD Mobile









- Access directly to the National Library Service for the Blind and Physically Handicapped (NLS)
- Must be registered
- Settings
- Can use with braille display
- http://www.loc.gov/nls/find .html
- Free











- \$3.99
- Uses the built in camera to scan documents
- Edit, copy, store, email documents
- Upload to online storage is as Evernote
- Does take practice for picture





TapTapSee

- Designed to help people with low vision identify objects they encounter in their daily lives.
- Double tap the screen to take a photo of anything, at any angle, and hear the app speak the identification back to you.
- Requires VoiceOver to be turned on.

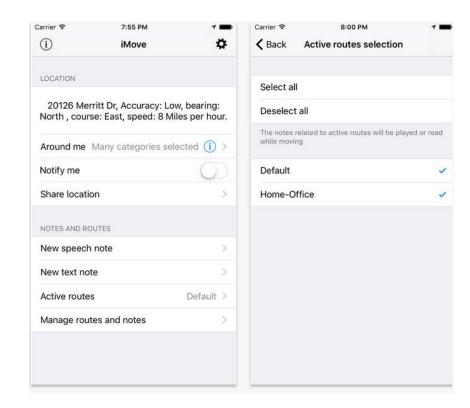




iMove



- can read the details of a point of interest and then: you can open the system navigator to reach the point of interest, call it or visit the website (where available);
- you can share your current location via text message;
- you can group notes in routes;
- text notes are available (in addition to speech notes);
- you can share your text notes with your contacts;
- you can import text notes created by your contacts

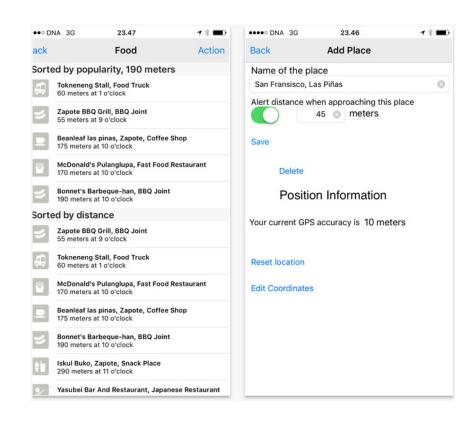






BlindSquare

- uses GPS and the compass to locate you; gathers information about the surrounding environment from FourSquare
- aware of when you travel by car, bus or train and starts to report interesting places in front of you (for example, the next stops) and street crossings when you are passing them
- when you are in a place, you can check in by shaking your device
- \$29.99



Driverless Cars and Smart Technologies

- Driverless Cars
- Internet
- Capture data
 - See how car is driven
 - Turn down music until seat belt is buckled
- Hands free/ Cameras
- Parallel park
- Ability to sense when to slow down

Ford plans 2 smart-car projects at Georgia Tech

7 January 2015 in Cars, TRANSPORT by Ken Edelstein















If a golf cart whizzed by you recently on the Georgia Tech campus without a driver, don't worry — you weren't seeing things. An it wasn't being driven by a ghost, either.

It probably was part of a smart-car initiative announced Tuesday by Ford Motor Co. CEO Mark Fields. The company plans to engage in "25 mobility experiments across the globe" to advance its "Ford Smart Mobility" initiative. Fields told an audience at the Consumer Electronics Show in Las Vegas.



Google unveiled a prototype for its autonomous car in advance of the Consumer Electronics Show. Photo courtesy of Google.

Two of those experiments will take place at Georgia Tech. The first is described as "Remote Repositionina."

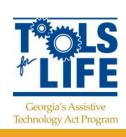
"It involves an operator that is able to remotely drive real vehicles from the comfort of their office in Atlanta." Ford Chief Technical Officer Rai Nair said in a co-presentation with Fields, "Using available technology including video cameras and sensors, streamed over a public 4g/LTE network, we used golf carts as a proof of concept. These low-speed golf carts are used on campus at Georgia Tech for transportation for administrators and faculty. If successful, this could help change car-sharing forever."

Nair described the second initiative at Tech as "Parking Spotter."





Our Question to You: What have You Learned today?





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