



Building Bridges for Smoother Transitions through Assistive Technology

Wednesday, June 3, 2015

10:00 AM EST

Carolyn Phillips, Meera Phillips and Martha Rust with contributions from Liz Persaud

www.gatfl.gatech.edu

For Handouts: http://www.gatfl.gatech.edu/tflwiki

www.amacusg.org



AKA:

Welcome to Creative Trail & Bridge Building 101!







Guiding Principles



- We Collectively are Brilliant & Can find an Innovative Path and Create Brighter Futures
- Smooth Transitions Make The Difference!
- We must Think, Live and Act from a place of Abundance We have enough time, money, resources.
- We Must Focus on Abilities!
- Assistive Technology is Key to Success.
- Success Breeds Success
- YOU have the Power to make the Difference!
 - Change vs. Progress (Bob Phillips)





Session Description



- Beginning a path that leads to college or preparing for the workforce can be an overwhelming experience. This session will explore the collective role each of us play in promoting student success further through transition and the powerful role of assistive technology in this process. We will examine outcomes that can occur when universal learning design and appropriate assistive technology solutions are integrated into the lives of individuals with disabilities.
- During this session participants will learn about some of the strategies and solutions being used to assist students with disabilities prepare for life beyond high school and assist with smooth transitions into the workplace and community.
 Presenters will discuss technological trends and share examples of assistive technology, software, hardware, mobile technology and apps.
- Other resources shared will include information about AMAC Accessibility
 Solutions and Research Center at Georgia Tech and how their services for those
 with print related disabilities can help stay on the path to success.



Session Presenters





Carolyn Phillips Tools for Life Director

Martha Rust...

Carolyn P. Phillips is nationally recognized in the field of assistive technology and disabilities. Carolyn serves as Director and Principal Investigator of Tools for Life, Georgia's Assistive Technology (AT) Act Program at Georgia Tech | AMAC.

Martha - - is a nationally recognized keynote and public speaker focused on technology and disabilities. She currently serves as the Training and Outreach Coordinator of Tools for Life, Georgia's Assistive Technology (AT) Act Program at Georgia Tech | AMAC Accessibility Solutions.

More Session Presenters



Meera F. Phillips Rising 6th Grade Student

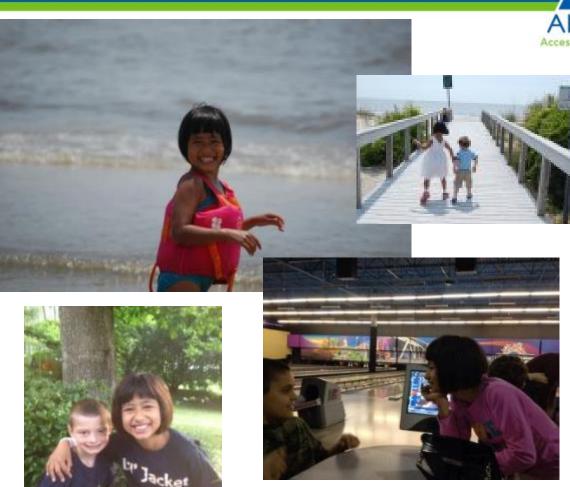
Carolyn P. Phillips is nationally recognized in the field of assistive technology and disabilities. Carolyn serves as Director and Principal Investigator of Tools for Life, Georgia's Assistive Technology (AT) Act Program at Georgia Tech | AMAC.



Why Are We Here Today?

- Master Our Skills!
- Expand Our Knowledge and
- Build Stronger Schools to Create an amazing, Inclusive and United Community!







AMAC - Introduction



What is AMAC?

AMAC works with colleges and universities to provide students with textbooks in formats that best meet their needs, including:

E-Text, Audiobooks, and Braille.

How does AMAC work?

Students meet with their disability services office to place an order for their textbooks in the preferred format.



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 the deaf or hard-of-hearing.
- For more information, please visit our website at <u>www.amacusg.org</u>



AMAC Services



- AMAC creates practical solutions that work, with a focus on utility, ease of use, and high quality.
- Audio Description Services makes visual information present in multimedia accessible to persons who are blind or low vision.
- **Professional E-Text** Producers provide high-quality e-text in many formats such as PDF, DOC, DAISY, and HTML.
- AMAC's 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



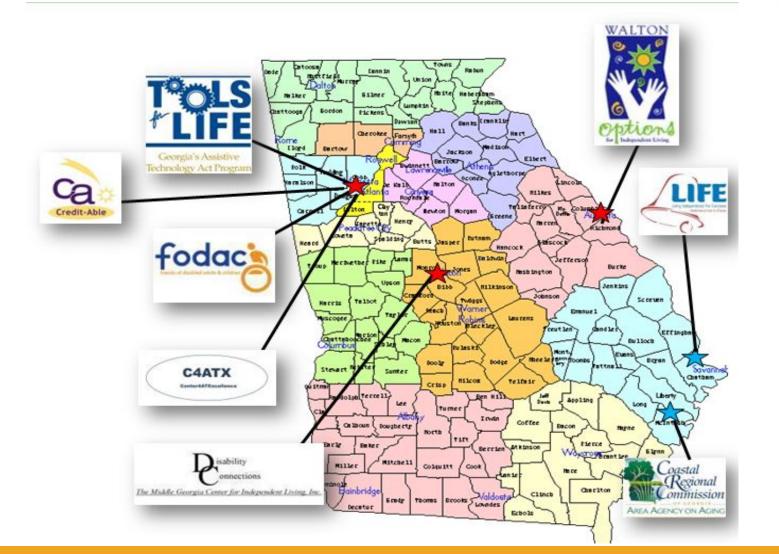
We're here to help Georgians with disabilities gain access to and acquisition of assistive technology devices and assistive technology services so they can live, learn, work, and play independently in the communities of their choice.

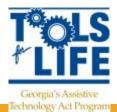




The TFL Network







Visit us online!



FUNDING

PUBLICATIONS

TFL WIKI

MEET THE TFL TEAM

MEET THE
ADVISORY COUNCIL

DIRECTIONS/MAP

JOIN OUR
MAILING LIST

SCHEDULE A TOUR





2015 IDEAS CONFERENCE



What is Assistive Technology?

AMAC Accessibility for All

- Assistive Technology (AT) is any item or piece of equipment that is used to increase, maintain or improve the functional capabilities of individuals with disabilities in all aspects of life, including at school, at work, at home and in the community.
- Assistive Technology ranges from no/low/light tech to high tech devices or equipment.





Defining Universal Design



Universal Design makes things safer, easier and more convenient for everyone.

Universal Design involves designing products and spaces so that they can be used by the widest range of people possible.



In the Shadows - Mainstream



- Tim Cook, Apple Chief Executive
- 2013 speech at Auburn University
- ...people with disabilities are "in a struggle to have their human dignity acknowledged."
- "They're frequently left in the shadows of technological advancements that are a source of empowerment and attainment for others."



Mainstream Example: Mobile/Smart Phones

- iPhone mobile phone in the mainstream market.
- Apple included a screen reader in the IOS for every iPhone.
- Increased Access for everyone especially individuals with disabilities
- Decreased Cost not as costly as it would be for a company specializing on screen readers
- Moved us Out of the Shadows, Into the Light!



iOS 8 – released in 2014



iOS 8 Preview What's New ~ NSOA GHUAL Our smartest keyboard ever. iOS 8 makes typing easier by suggesting contextually appropriate words to complete your sentences. It even recognizes to whom you're typing and whether you're in Mail or Messages. Because your tone in an email may be different from your tone in a message.

Learn more >



AMAC History



AMAC was created in 2005, as an initiative of the Board of Regents University System of Georgia, to help post-secondary disability services offices provide complete, timely, and efficient accommodations to the students with print disabilities that they serve.







Products and Services



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

What is Audio Description?





- Audio description, also known as video description or visual description, is an additional narration track intended primarily for consumers of visual media (including television and film, dance, opera, and visual art).
- It consists of a narrator talking through the presentation, describing what is happening on the screen or stage during the natural pauses.



What is Closed Captioning?





- Closed captioning (CC) is a process of displaying text on a television, video screen, or other visual display to provide additional or interpretive information.
- Closed captioning is typically used as a transcription of the audio portion of a program as it occurs (either verbatim or in edited form), sometimes including descriptions of non-speech elements.



What is Open Captioning?





 "Open", "burned-in", "baked on", or "hard-coded" captions are visible to all viewers.

 The term "closed" versus "open" indicates that the captions are not visible until activated by the viewer, usually via the <u>remote</u> <u>control</u> or menu option.



Closed Captioning: Quality Matters

Automated Captions: Human Eyes Need to Review

3. "That's your special friend butterfly who came to say 'hello' to you"

What You Tube heard:







Begin with the End in Mind!



Transition Success: Consider this

- Our Success relies on
 - Being Involved in My Plan!
 - Knowing Myself
 - Self-Exploration
 - Who Are You?
 - Learning Style
 - What is Your Learning Style?
 - Honestly Exploring
 - What do I want to Do When I Grow Up?
 - What Assistive Technology do I need to accomplish my Goals?



Transition Success: Consider this

- Our Success relies on
 - Being Involved in My Plan!
 - Knowing Myself
 - Honestly Exploring
 - What do I want to Do When I Grow Up?» Singer
 - What Assistive Technology do I need to accomplish my Goals?» AAC





Transition Success: Consider this

- Our Success relies on
 - Meera -
 - Going to IEP since 1st grade
 - Involved in My Plan!
 - Choosing my AT
 - Using My AT
 - Speaking Up
 - Speaking Out





Think College Opportunities





Home

Find a College

Contribute a Program

Find a College

Find and compare information about college programs for students with intellectual disabilities! Click "Start Your Search" to customize your options, or "View All Programs" to view all college programs included here. If you are searching for a specific program, click on "Find Your Program" and type in the program name.







Print view =

SEARCH BY NAME



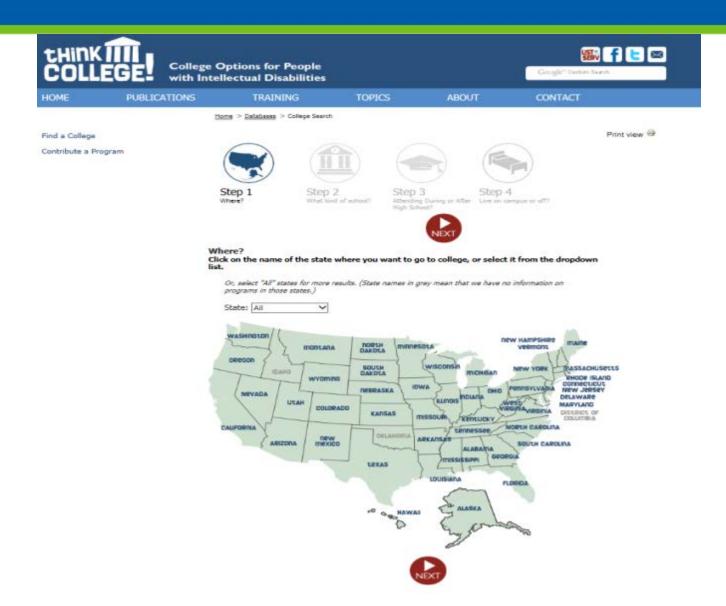
This video will show you how to use this site to search for colleges.

<u>Fill out this short form</u> to let us know about a new program. If you would like to make changes to a current program listing, please email <u>thinkcollege@umb.edu</u>.

The information included here was submitted to Think College by the college programs. Being listed here does not indicate or imply a Think College endorsement. There also may be programs available that have not reported to us,



Finding Inclusive College Opportunities





Inclusive College Opportunities in GA



College Options for People with Intellectual Disabilities



CONTACT

HOME PUBLICATIONS TRAINING TOPICS ABOUT

Home > Databases > College Search

Find a College

Contribute a Program

Compare Programs

Back to search results

Question:	Technology	Kennesaw State University
Program Name	Inclusive Postsecondary Academy at Georgia Tech	Academy for Inclusive Learning and Social Growth
State		
College / University	Georgia Institute of Technology	Kennesaw State University
Students can attend this program if they	Have graduated or exited from high school	Have graduated or exited from high school
Number of students in this program	12	18
Top 3 Priority Areas:	1: Employment 2: Independent living 3: College course access	1: Employment 2: College course access 3: Self-determination
Entrance Requirements	 High School diploma Other diploma (i.e. IEP diploma, certificate of attendance) Be able to safely navigate the campus independently Have basic safety skills in an unsupervised setting Have practical reading and writing skills 	High School diploma Other diploma (i.e. IEP diploma, certificate of attendance)
Tuition and fees per year	20,138 (subject to change)	\$13,852.60

Georgia Institute of

Print view 🖶

Inclusive College Opportunities in SC



Home > Databases > College Search

Find a College

Contribute a Program

Search Results

Print view 🖶

Your search for initiatives that:

are in South Carolina.

You are viewing results 1 through 6 of 6. Click the check boxes next to a program's name and then click the Compare button at the top or bottom of the list. Up to 4 programs can be compared at a time.



Compare

Display # 20 V

Compar	e <u>Colleg</u> e	Program	Location ▼
	College of Charleston	REACH Program	Charleston, SC
	Clemson University	Clemson HOPE	Clemson, SC
	Clemson University	ClemsonLIFE	Clemson, SC
	University of South Carolina	CarolinaLIFE	Columbia, SC
	Coastal Carolina University	Coastal Carolina University LIFE	Conway, SC
	Winthrop University	Winthrop Think College Program	Rock Hill, SC
Con	npare		



A look at 2 Inclusive Colleges in SC



College of Charleston REACH Program





66 George Street Charleston, SC 29424 Phone: 843,953,4849

General Info

E-mail: reachprogram@cofc.edu » Go to the Program Website » Contact person: Edie Cusack E-mail: cusackel@cofc.edu

Type of school:

4-year college or university

Program Description:

The R.E.A.C.H (Realizing Educational and Career Hopes) program at the College of Charleston is a four-year, inclusive program for students with mild intellectual disabilities. REACH offers a nondegree program for students with intellectual disabilities who want to partake in the full college experience, including participation in regular college classes, living independently on campus, engaging in professional internships, and enjoying an active social life with friends. The purpose of the program is to provide the opportunity for all students to realize their intellectual and personal potential, with appropriate support for success. Students who complete the program receive a REACH certificate, and have training and experience necessary for successful competitive employment.

Cost Academics Employment Extracurricular

image from the program

Additional Contact Info

Students can attend this program if they:

· Have graduated or exited from high school

Number of students in this program:

We accept 10 new students each year

Top 3 Priority Areas:

- 1: Employment
- 2: Self-determination
- College course access

The minimum age of a student to attend this program:

Last updated on: April 11, 2014

Return to search results.

Request changes be made to this progam.

University of South Carolina CarolinaLIFE





Print view =

820 Main St. 235C Wardlaw Columbia, SC 29208 Phone: 803,777,7664

» Go to the Program Website »

Contact person: Anthony Plotner E-mail: plotner@mailbox.sc.edu Phone: 803 777-7664

General Info Cost Academics Employment Extracurricular Additional Contact Info

Type of school:

4-year college or university

Program Description:

This is an innovative two-to-four-year post-secondary program for students with intellectual or cognitive disabilities. We offer students with intellectual or cognitive disabilities the opportunity to experience college life through inclusive participation in academic, social, vocational and independent living activities. Our program is based on the needs, interests, and preferences of our students

Students can attend this program if they:

· Are still enrolled in high school

Number of students in this program:

Top 3 Priority Areas:

- 1: Employment
- 2: College course access
- Self-determination

The minimum age of a student to attend this program:

Last updated on: February 12, 2013

Return to search results.

Request changes be made to this progam

Comparing Colleges

AMAC Accessibility for Al

Compare Programs

Print view 👄

Back to search results

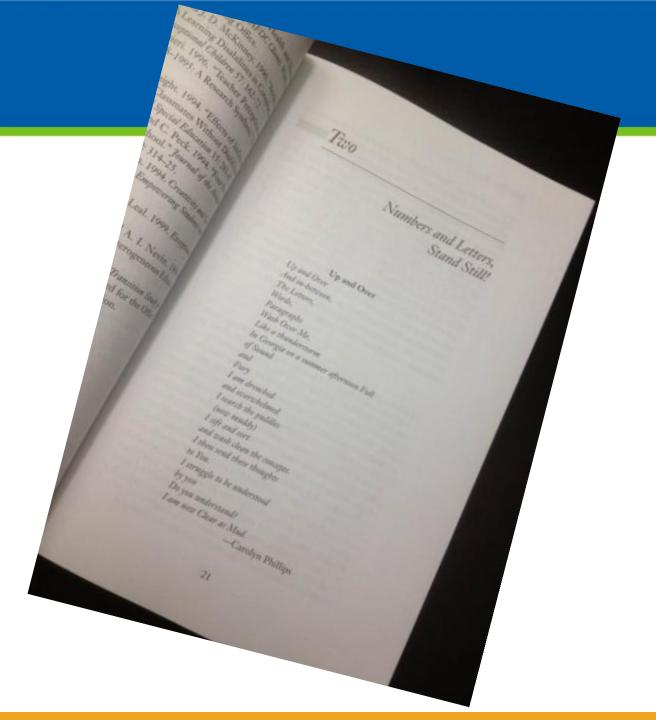
	Backto Search results				
Question:	College of Charleston	University of South Carolina			
Program Name	REACH Program	CarolinaLIFE			
State					
College / University	College of Charleston	University of South Carolina			
Students can attend this program if they	Have graduated or exited from high school	Are still enrolled in high school			
Number of students in this program	We accept 10 new students each year	12-20			
Top 3 Priority Areas:	Employment Self-determination College course access	Employment College course access Self-determination			
Entrance Requirements	Have completed certain number of years of high school Be able to safely navigate the campus independently Have basic safety skills in an unsupervised setting Have practical reading and writing skills	Other diploma (i.e. IEP diploma, certificate of attendance) Be able to safely navigate the campus independently. Have a specific disability label or type. Have basic safety skills in an unsupervised setting.			
Tuition and fees per year	\$19,300	16,600			
Room and board per year	\$9,100	5700			
Cost of books per year	\$300-600	i			
Students with intellectual disabilities in this program can get federal financial aid:	Yes	Yes			
Students can pay to attend this program using	Private pay (student and family) Vocational Rehabilitation Funds Scholarships Federal Financial Aid	Private pay (student and family) Tuitlon Walvers Vocational Rehabilitation Funds Scholarships Local School District funds Federal Financial Aid			
Students take the following courses	Typical college courses for audit				
Amount of Instructional time spent only with other students with Intellectual disabilities	Less than 25%	50%			
Amount of time to complete the program	4 years	Varies from student to student			
This program operates during the summer	No	No			
Students have competitive work	Yes	Yes			
Other career development activities	Volunteer work Community Service				
Program offers segregated work experiences	No				
Program supports students to exist with paid integrated employment					
Housing Options	Inclusive dorms Inclusive on-campus apartments	Inclusive dorms			
Students are eligible to earn a degree or certificate	A degree or certificate is currently being developed and is still pending approval	Yes			
Question:	College of Charleston	University of South Carolina			





Transition Success:

Understanding the Self-Advocacy & AT Connection





The Neurology of My Brain

The "rate" at which you learn will become the only sustainable competition advantage you'll have in your life.

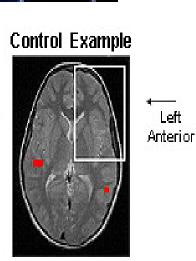
- Peter Senge

- Visual Perception & Discrimination
- Auditory Perception & Discrimination



Dyslexic Example

Left
Anterior



Carolyn's Specific Learning Disabilities

 Dyslexia - Difficulties with learning to translate printed words into spoken words with ease

 Dysgraphia - Deficits in writing (organization, clarity, unity, mechanical errors, spelling, handwriting)

 Dyscalculia - Difficulty with numbers and/or remembering facts over a long period of time (columns, number reversal, mathematical operation)

More on Carolyn's Specific Learning Disabilities



- Auditory Perceptual Deficit
 - Has trouble receiving accurate information from the sense of hearing (trouble with how the brain interprets what it hears) - oral instructions, differentiating between similar sounds, hearing one sound over a background of other noise





Transition Success:

Understanding the Assistive Technology Connection

Why Assistive Technology?



- For a person without a disability, technology makes things easier....
- For a person with a disability, technology makes things possible.
- TIP: USE AT. I have yet to meet a successful student who doesn't use Any AT.







Universal Design for Learning & Differentiation/

"Research indicates that many of the emotional or social difficulties gifted students experience disappear when their educational climates are adapted to their level and pace of learning."



TIP: Differentiation in education can also include how a student shows that they have mastery of a concept. This could be through a research paper, role play, podcast, diagram, poster, etc.

TIP: The key to differentiation is finding how your students learn and displays their learning that meets their specific needs.

Consider this



- Our Success relies on
 - Failing
 - Dignity of Failure
 - I learned More from My "Failures" sometimes than my "successes"
 - Give yourself room to fail and Grow from the experience
 - Learn to Laugh a lot!
 - Be Optimistic
 - Evaluate & Evolve!





Moving from Information to Action

Educational Psychological Evaluations

- ✓ One to one assessment
- ✓ Comprehensive battery of tests
- ✓ Detailed report with recommendations for support in work and/or learning



What did You learn in your Evaluation?

Moving from Information to Action

Using your Evaluation results as an Action Plan for AT

The "FAST" Track



- ✓ Frustration
- ✓ Anxiety
- √ Stress
- ✓ Tension



TOLS

**LIFE

Georgia's Assistive
Technology Act Program

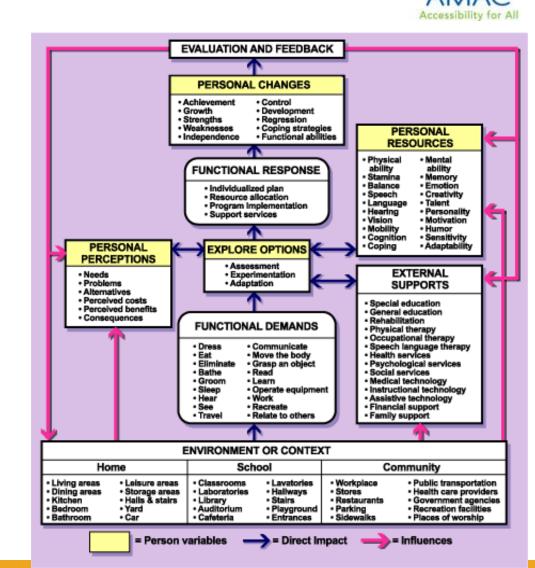
Enhancing All of Life's Functions

Considering AT:

- Identify Environments
- Determine the Functional Areas
- Select AT

Dr. Cheryl Wissick and

Dr. Elizabeth Bagley







Smooth Transitions: Making Informed Decisions

Ergonomics



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







Learning Ally





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





Bookshare



- Online Accessible Library
- Free membership to qualified students and schools
 - Textbooks if school is member
- 208,769 titles
- Serves individuals with:
 - Vision disabilities
 - Physical disabilities
 - Learning disabilities





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





ClaroSpeak US







ClaroSpeak speaks back text with high-quality speech and highlighting so you can follow the words as they are spoken.

Tap the screen to place the 'cursor point' in the text. Then tap the Play icon to start speaking.

The text will be spoken from the start point with the highlighting and voice you have selected in Settings. To stop ClaroSpeak speaking, tap the Stop icon or tap anywhere in the ClaroSpeak title bar.

- 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



ClaroRead



- Reads text as it highlights
- Moveable tool bar
- Can read doc, PDFs, internet, and more
- 6.2 version
 - In Europe
 - Save directly to iTunes
 - Create a video

- Change highlight colors
- www.claroread.com







TextHelp



- Text-to- Speech software
- Helps improves reading skills
- Built in text and picture dictionaries
- Study skills highlighter

- Google Chrome version
- www.texthelp.com





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





Speech Recognition Software





 Turn spoken words into text

 Connect with the timing of your thoughts

 Dictation speed 70 to 100 words per minute



Ginger





- Online grammar and spell checker
- Can see corrections as you type or use Ginger Proofreader to scan the entire document for mistakes
- Will read corrections out loud

- Has an mobile Android app
- Works inside Word and emails
- Text to Speech
 - Read emails and docs
 - Can choose voice and accent
- Ginger Demo



Inspiration



- Mind Mapping software
- Allows User to "connect" ideas together
- Add in pictures and hyperlinks
- Can produce an outline form

- Better organization of essays
- \$39.95
- App \$9.99





Tracking Trends



- Increase in Universal Design in Mainstream
- Schools incorporate "Bring Your Own Technology"
- Customized reading levels
- Convergence
- The Future is Contextual
 - GPS in technology
 - Ads on Internet
 - Social Media

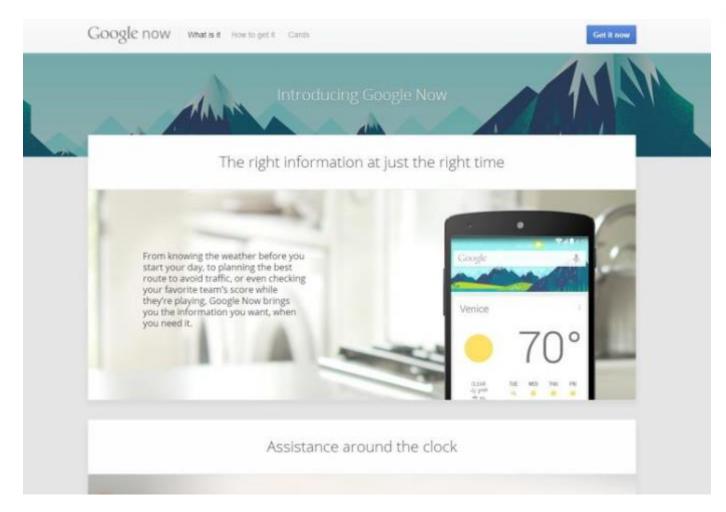




Google Now







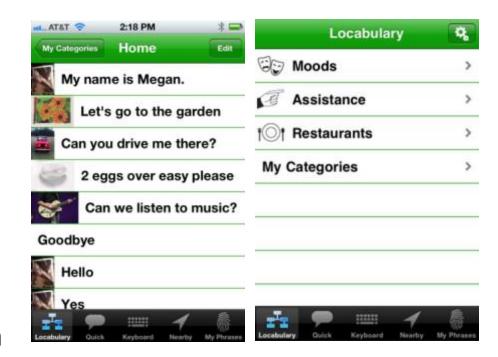


Locabulary





- Uses GPS to track user location and suggests appropriate vocabulary based on location
 - ie: Starbucks
- A keyboard to type for textto-speech
- User can tag their own locations and create vocabulary for each location
- Lite version Free; Proversion \$130





LEAP Computer Input





OUR DEVICE

APPS

DEVS

BLOG

SETUP

SUPPORT

BUY

STAY INFORMED ▼





Google Glass



Ten days with Google Glass

By Will Shanklin December 23, 2013 14 Comments 7 7 Pictures

www.lenscrafters.com

Official Site. Visit Us Now & Save! Designer Eyewear, Lenses, & More.

























Here at Gizmag, we're very interested in the present and future of w' tech. So we thought it was fitting to sign up for the Google Glass Exprogram, to give you a better idea of what Sergey Brin and compabrewing up in Mountain View. Though we aren't quite ready to disproper Google Glass review, we want to share some more thougour first ten days with Glass.







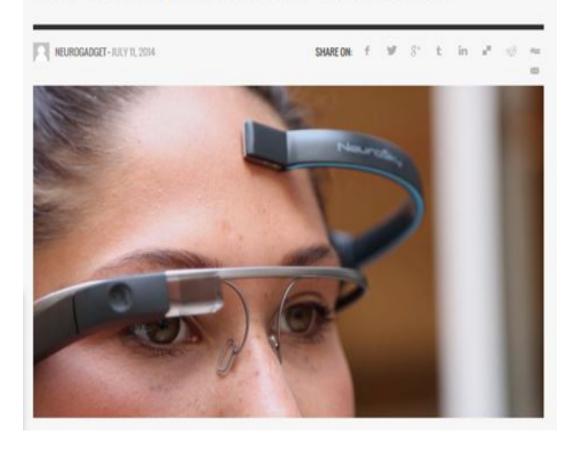


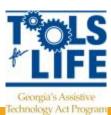


Mindrdr for Google Glass



MINDRDR FOR GOOGLE GLASS LETS YOU TAKE AND SHARE PICTURES JUST BY THINKING





Reading Finger Device



MIT Finger Device Reads to the Blind in Real Time



in thin Thursday, June 26, 2014 photo, a model wears a FingerReader ring at the Massachusetts institute of Technology's Media Lab in Cambridge, Mass. Researchers designed and developed the Instrument, which enables people with visual disabilities to read text criminal on paper or electronic devices. IAP Photo Stephan Savoial AP By RODRIQUE NGOWI Associated Press

JULY E. 2014 1:24 AM



Nod





- Controls devices remotely
- Change presentation slides
- Type notes
- Environmental Control Units
- \$149, Early 2015
- https://hellonod.com



VGo Telepresence Robot



- Enables individuals to replicate themselves in a distant location and have the freedom to move around as if they were physically there
- Reduces travel costs
- School
- Hospital
- Work from home





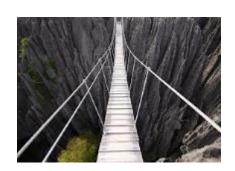


Successful Transitions Help Create a Successful Life Journey



Teach Students to:

- Get to Know Yourself
- Plan for Your Success in school, work, Life!
- Begin with the End in Mind
- Be able to tell Your Story
- Listen & Learn
- Try Fail & Try again...
- When things get off track Evaluate and Evolve
- Explore & USE Assistive Technology
- Laugh Much!
- Celebrate your Successes!!





Transition Success



- Our Success relies on
 - Building win-win-WIN relationships
 - Establishing a solid circle of support
 - Receiving and providing support
 - Diversify your Circle of Friends and Acquaintances
 - It sometimes is "Who you know"
 - BALANCE Social Life and Studies





Transition Success



 Learning how to move from a Whisper to a Roar...

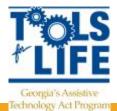




Questions?







The TFL Team





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