

INTRODUCTION TO ASSISTIVE TECHNOLOGY



Disability Resource Center

THE POWER OF ASSISTIVE TECHNOLOGY

**Equal
access for
all
learners**

**Various
modalities of
learning**

**Multiple
means to be
successful**

Individuals with Disabilities Education Act (IDEA) of 2004

A hand is shown from the left side, holding the edge of a white speech bubble. The speech bubble contains text defining an Assistive Technology Device. The background is a solid light green color.

Defines an Assistive Technology Device as, “ Any item, piece of equipment, or product system, whether acquired commercially off the shelf, modified, or customized, that is used to **INCREASE, MAINTAIN, OR IMPROVE** the functional capabilities of students with disabilities.”



NO-TECH



LOW-TECH



HIGH-TECH

- **Handheld magnifiers**
- **Large Print text**
- **Specialized pens\ pencils**
- **Stress-balls\ Fidget spinners**
- **Highlighters**
- **Post-its**
- **Note-takers**

- **Spell checkers**
- **Word prediction**
- **Electronic Organizers**
- **Closed Caption Televisions (CCTV's)**
- **Alternate mouse or keyboards**
- **E-books**
- **Digital recorders**

- **Computer/laptops**
- **Tablets/smartphones**
- **Magnification software**
- **Voice recognition- speech to text**
- **Audio note-takers**
- **Speech output devices**

Computer Access Center

“For people without disabilities, technology makes things easier. For people with disabilities, technology makes things possible.”

- IBM Manual





Bookshare

A BENETECH INITIATIVE

The world's largest online library of accessible **ebooks** for people with print disabilities

➤ Educational and popular titles

➤ Various formats

Daisy with/without Images

Audio

BRF

EPUB

Learning
Disabilities



Visual
Impairments



Physical
Disabilities





Library of educational accessible **audiobooks** for people who cannot effectively read standard print

Who Qualifies?

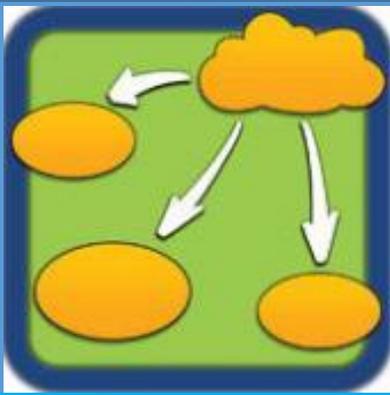
- Learning Differences such as Dyslexia or Reading Disorder
 - Visual Impairments
- Physical Disabilities that affect motor functions

Who Doesn't Qualify?

- Autism spectrum disorders
 - ADD, ADHD
- Developmental Disability
 - Hearing Impairment
 - ESL

***If a specialist can verify that an accompanying qualifies disability exist, then membership can be made available**

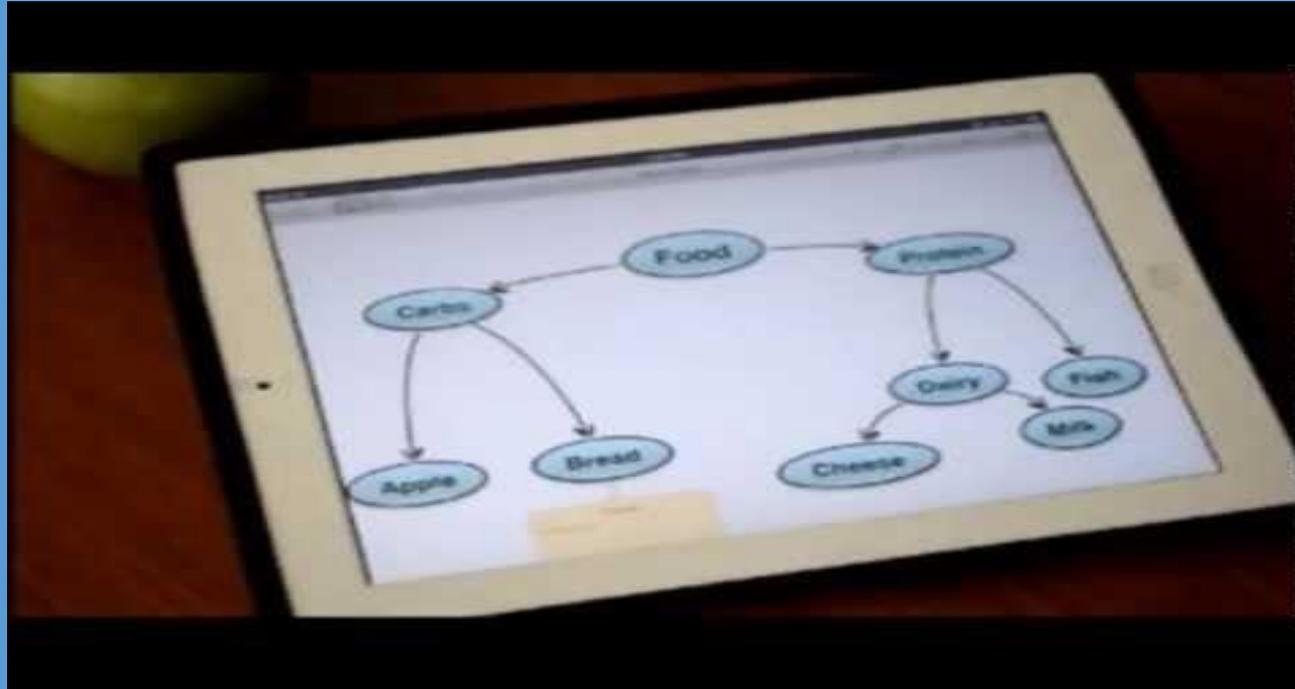
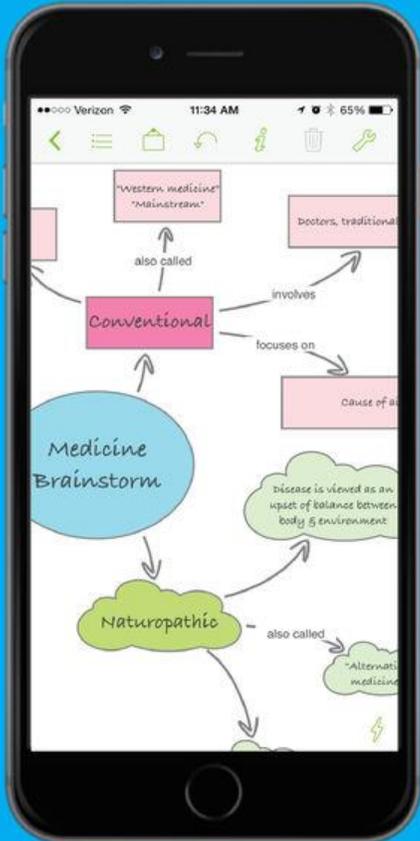




Inspiration[®] Maps[™]



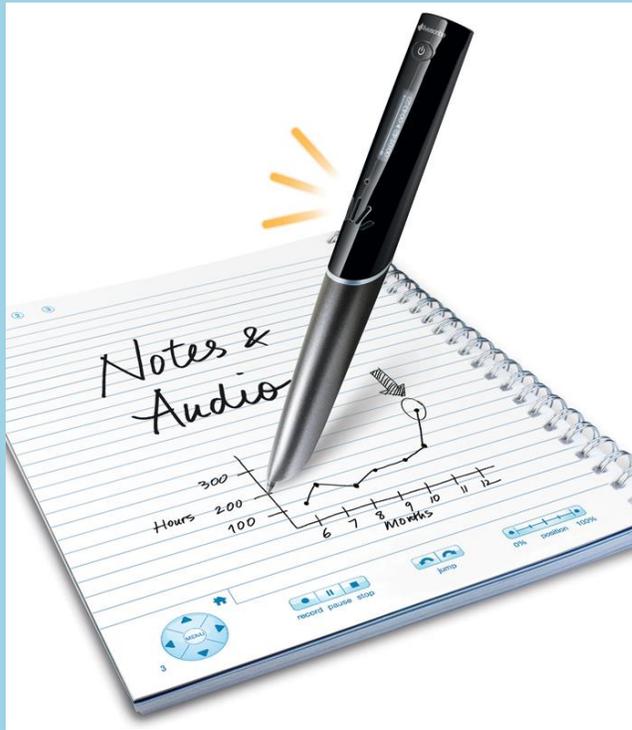
Brainstorm
by building webs or
diagrams



<http://www.inspiration.com/inspmaps>

Tap to convert
✓ Diagram to Outline
✓ Outline to Diagram





Livescribe Smartpen

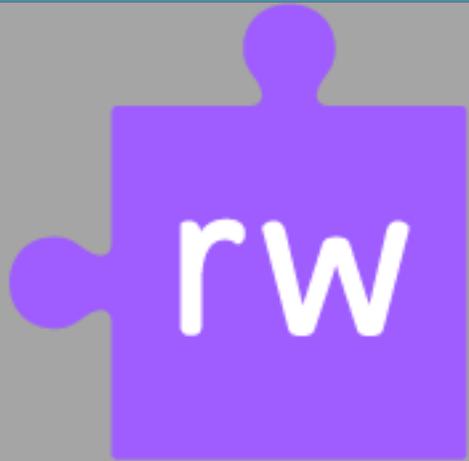
- Capture words, audio, scribbles, symbols and diagrams and syncs everything you write to what is said.
- Tap anywhere on your notes to play back what was said at that exact moment in time- as many times as you need to hear it.
- Slow down, speed up and control your volume with your playback controls.
- Transfer all your notes and recordings to a Mac or PC to search for key phrases, and better organize your notes.
- Take your notes everywhere you go by accessing them from your iOS or Android device.



- YOUR -
BEST EVER NOTES
AWAIT YOU



Sonocent Audio Notetaker



read&write

Read&Write



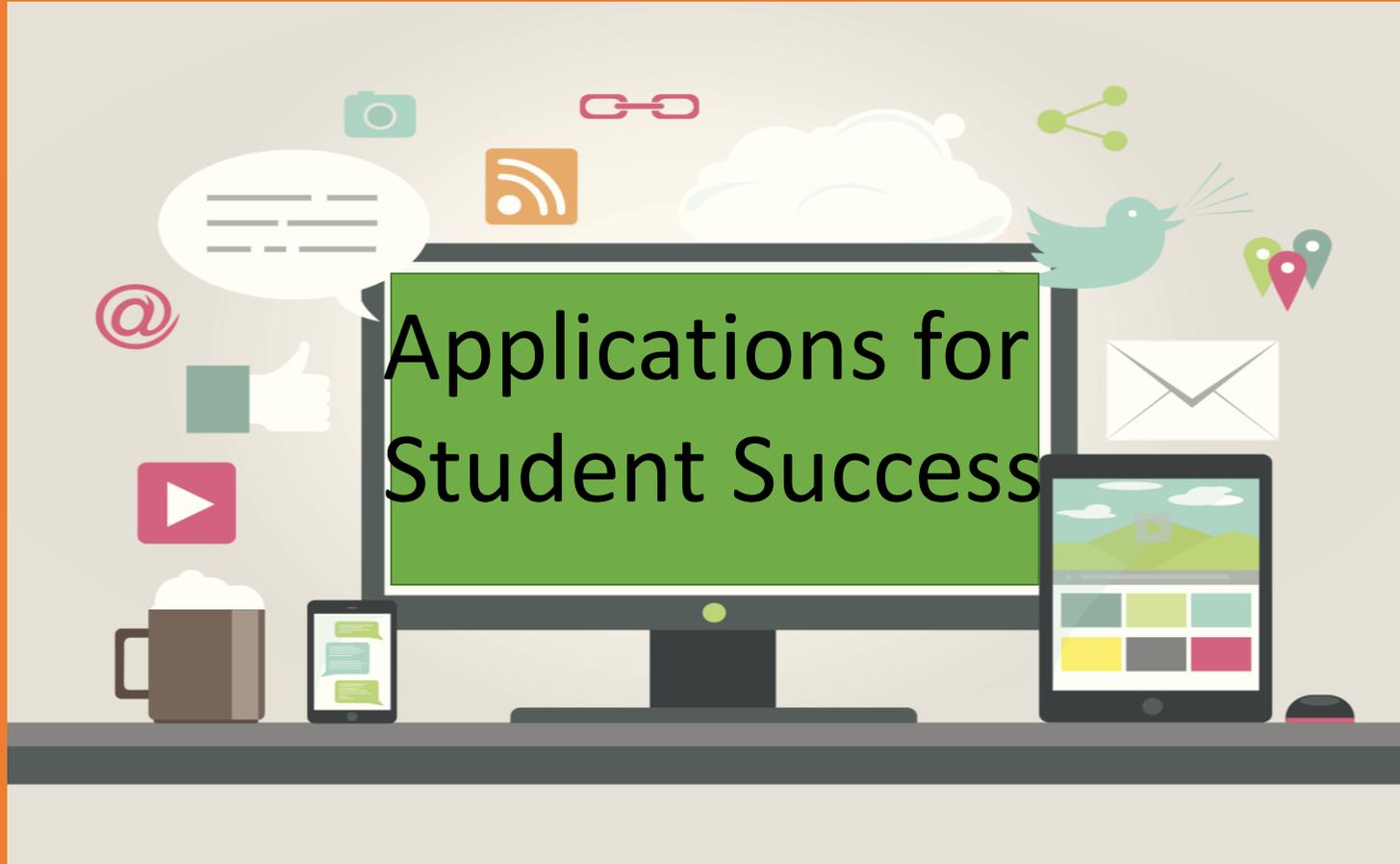
- Spell Check Prediction
- Dictionary
- Picture Dictionary
- Rewind
- Play
- Pause
- Forward
- Stop
- Screenshot Reader
- Scan
- Audio Maker
- Screen Masking
- PDF Reader
- Highlight Yellow
- Highlight Blue
- Highlight Green
- Highlight Pink
- Erase Highlights
- Collect Highlights
- Vocabulary List
- Voice Note



Dragon Naturally Speaking



- Dictation software in which students can dictate a paper rather than typing it.
- Dictates everything you say into a microphone.
- Has the ability to work with Word Docs, Excel, spreadsheets, the internet and your computer.
- Addresses learning differences, physical disabilities and other challenges.



photomath



-  Pace My Day
-  Reach My Goals
-  Strategize My Life
Coming Soon

Deaf and Hard of Hearing Services

Sign Language Interpretation

Real-Time Captioning

Captioned Videos/Media in
Classroom

FM Systems



1. AT EVALUATION-Based on accommodations

2. ONE-ON-ONE TRAINING

3. CONSULTATION! IS IT WORKING?



For an *AT* evaluation and/or consultation book
an appointment with Mayra

- Clockwork
 - MayraDRC@fhda.edu
 - (650) 949-7039
-
- Or stop by the Computer Access Center