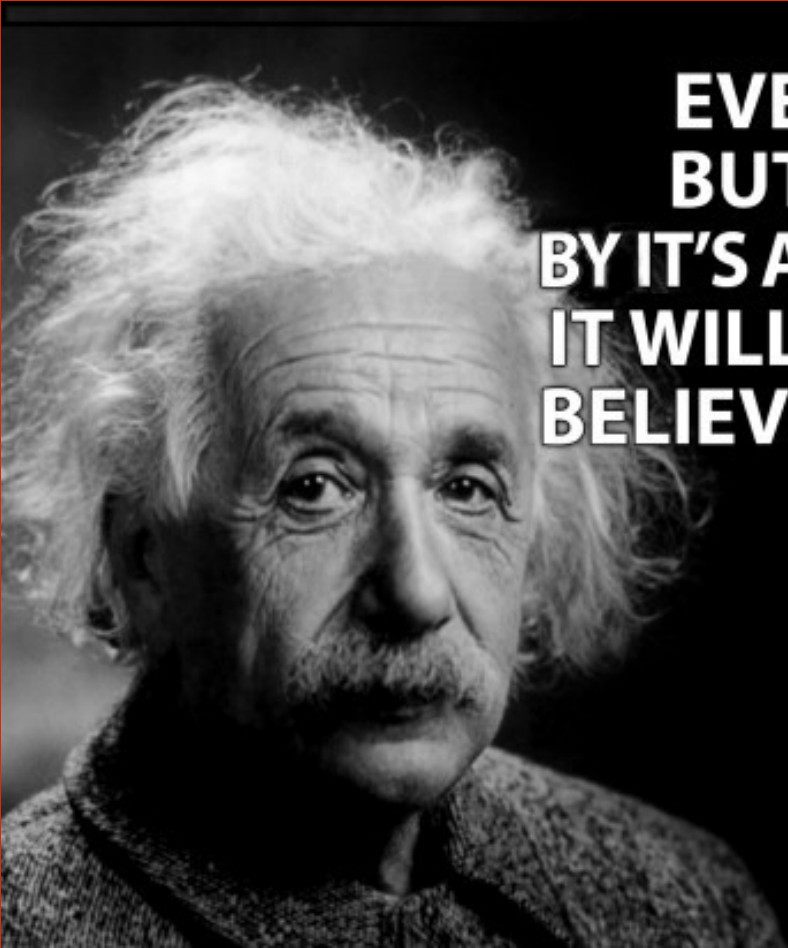




# easterseals Crossroads

**Assistive Technology  
for Learning and Cognitive Impairments**

*Lisa*

A black and white portrait of Albert Einstein, showing his characteristic wild white hair and mustache. He is looking slightly to the right of the camera with a thoughtful expression.

**EVERYBODY IS A GENIUS,  
BUT IF YOU JUDGE A FISH  
BY IT'S ABILITY TO CLIMB A TREE,  
IT WILL LIVE IT'S WHOLE LIFE  
BELIEVING THAT IT'S STUPID.**

*Albert Einstein*



# What are some types of Cognitive Disabilities/Disorders

- Autism Spectrum Disorder
- Traumatic Brain Injury (TBI)
- ADD/ADHD (Attention Deficit Disorder)
- Dyslexia (Difficulty Reading)
- Dyscalculia (Difficulty doing Math)
- Dysgraphia (Difficulty Writing)
- Others

# Affects of Cognitive Disabilities

- Learning, Problem-Solving
- Memory
- Perception
- Attention Span
- Processing, Following Directions
- Organizing, Sequencing
- Time Concepts

# Assistive Technology Solutions can help!

- Reading, Writing
- Editing, Spelling, Grammar
- Organizing, Sequencing
- Scheduling, Reminding
- Computing, Problem-Solving
- Communicating

**"I am a visual thinker,  
not a language-based  
thinker. My brain is  
like Google Images."**

**-Temple Grandin**

**Joseph'sAutismJourney**

# Reading Needs

- Audible for concentration and comprehension
- Highlight words to follow (Bimodal learning)
- Highlight important phrases/text
- Extract to outline
- Extract to mp3 file to listen on mobile device
- Add additional notes

# Reading Products\*

## Software



VS

## APPS





# Writing Needs

- Dictation
- Outlining from notes
- Using Dictionaries to look up definition
- Synonyms
- Grammarly
- Rewordify

# Writing Products

- Highlight and create outline
- Use Grammarly to check your typing
- Use Synonym to use different words for a different sounding
- Use Rewordify to understand meaning and to reword the file
- Use speaking tools to read

# Writing Products\*

## Software

 **Kurzweil 3000™**  
by Kurzweil EDUCATIONAL SYSTEMS

\$1400

**Read  
&Write**  
Gold

\$145

\$35-130



VS

## APPS or Internet-based

 **grammarly**

\$30/mo or  
\$140/yr

 **Rewordify.com**  
Understand what you read.

\$0 online

# Note Taking Needs

- Record Lecture
- Make personal notes
- Add notes later to complete
- Add sketches or photographs
- Mark audio with color coding
- Attach notes and audio lecture to PowerPoint presentation
- File lecture notes for each class

# Note Taking Products

- LiveScribe Echo 8 Gb Pen
- Sonocent
- Audio Note
- Others
- Great way to teach what is important in note taking

# Math Needs

- To understand math concepts
- To understand math steps
- To see the correct answer with steps shown to double check work
- To solve handwritten formula

# Math Products (Apps)

- Photo Math
- yHomework
- Math way
- Math Pix
- CyMath
- Others

# Scheduling Needs

- Custom Calendars, showing appointments color coded
- Shared calendars
- Alerts/reminders
- Todo lists with checkboxes
- Planner for college courses
  - Show class name & Number
  - Professor and contact info, office hours
  - Homework, projects and exams
  - Study groups
  - other



# Scheduling Products

- Multiple alarms
- Color coding
- Pictures to reinforce task/schedule
- Multiple views to find one that works
- Custom sound files
- School-specific planning;
  - including schedule, classes, teachers, homework, projects and exams
- To Do checklists
- Reminders with tailored messages
- Timers and modeling to keep on task

# Scheduling products\*



\$3-10



\$0-5



\$0-20/yr



\$0.99

Alarmed  
Reminders + Timers



iOS

\$0-5



\$0-4

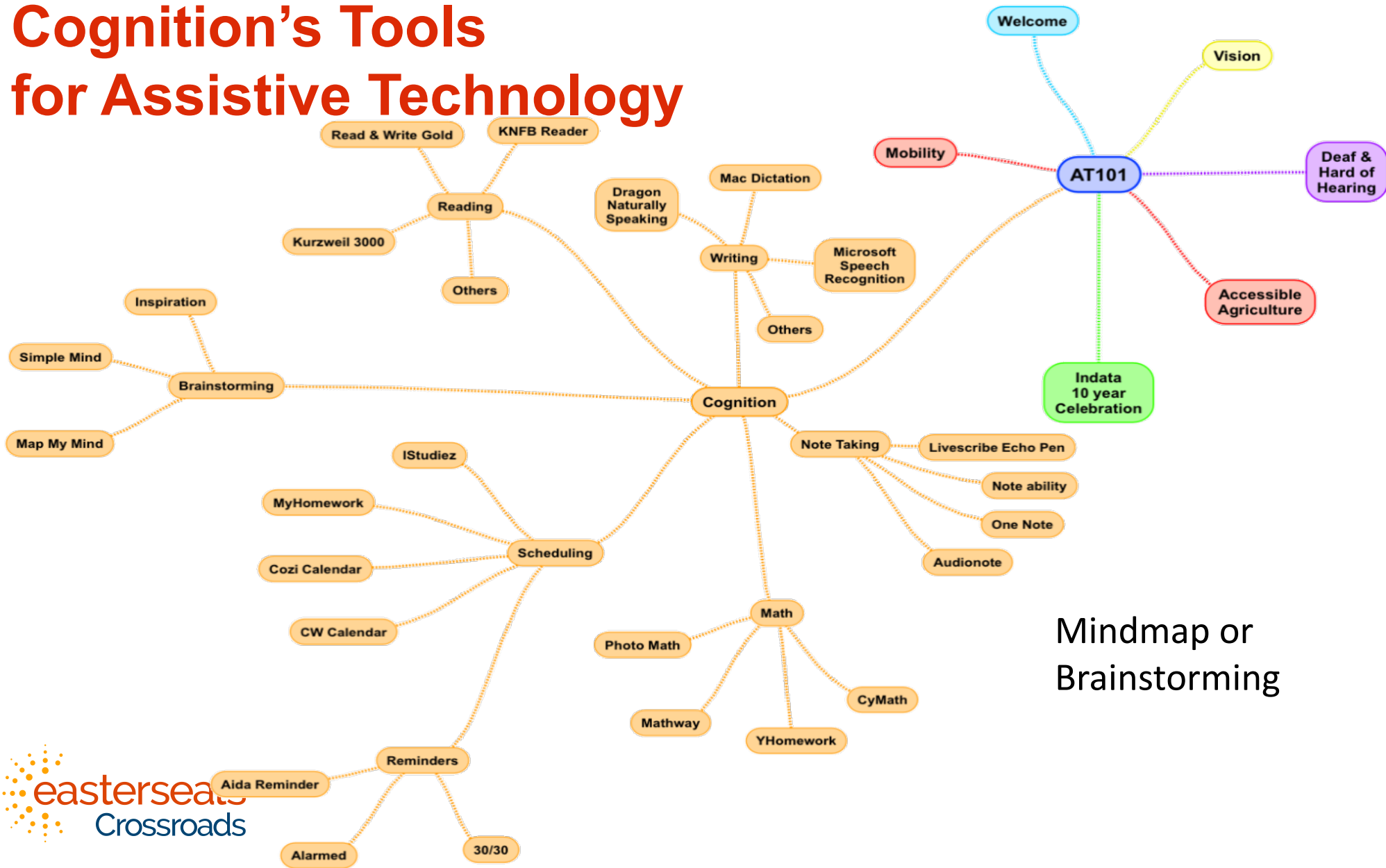




"The world  
needs all  
kinds of  
minds."

- *Dr. Temple Grandin*

# Cognition's Tools for Assistive Technology



Mindmap or  
Brainstorming