

Assistive Technology for Learning and Cognitive Impairments



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Campus Services

- Reading
- Writing
- Math
- Counseling
- Student Services



Browser Extensions

- Chrome Extensions that remove distractions
- Dyslexia Friendly
- Mercury Reader
- Reader View
- Just Read
- Block sites for a specific amount of time
- Stay Focused
- Simple Blocker
- Work Mode



Optical Character Recognition

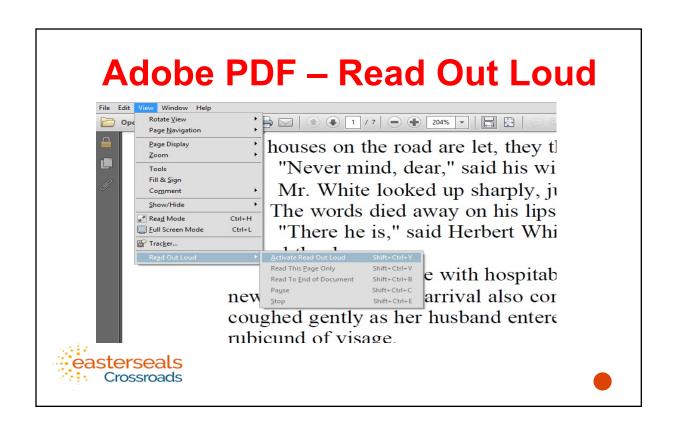
- Developed in the late 19th century to help the blind read.
- Is currently available on many platforms and devices.
- Many programs/devices have built-in OCR features.
- Depending on the features, many OCR programs are free.

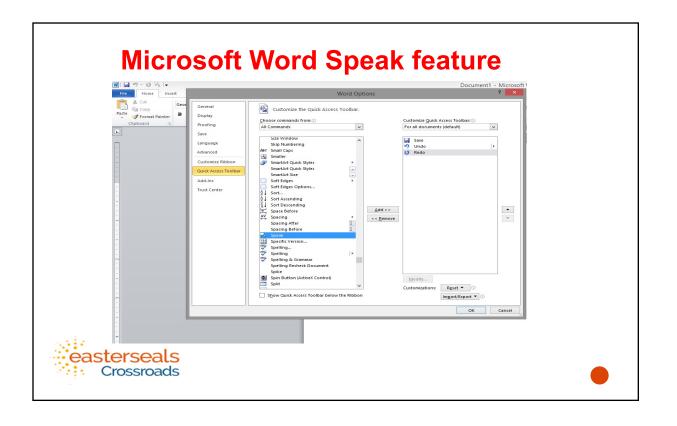


Built-in OCR and Apps

- Chrome Speak It! Extension (Free)
- Google Docs, Adobe PDF, Microsoft Word & OneNote
- Apps: Seeing AI (Free), KNFB Reader (\$99), Prizmo (\$10)
- Free programs: Natural Reader*, Free OCR, Simple OCR, A9T9 (Microsoft for Windows 10) & Boxoft Free OCR
- *Paid versus free versions of OCR (text to speech) software varies based on built-in dictionaries, voice choices and voice quality.







Premium OCR Software

- Kurzweil 3000 One-Time \$1400
- ClaroRead One-Time \$275
- Read & Write* \$145 Annual License or \$645 Perpetual License
- WYNN One-Time \$99
- Premier Literacy Suite (Productivity Pack) One-Time \$199
- ABBYY FineReader One-Time \$199
- Readiris Pro One-Time \$99
- Natural Reader Personal* One-Time \$99
- *programs pricing may eventually go to a subscription model





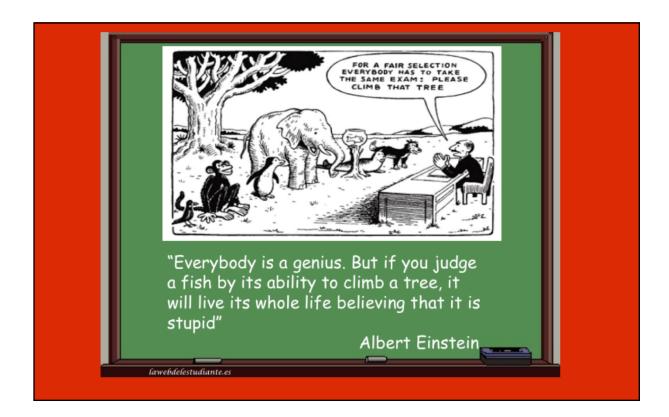
- APPS
 - My Pictures Talk
 - IModeling
- Very useful tool for individuals on the Autism Spectrum or individuals with traumatic brain injuries
- Video modeling allows users to see tasks, step by step, if they cannot remember tasks or order





Lisa Becker, Assistive Technology Technician

I have a family member who is diagnosed with a cognitive disability. I have no Relevant Financial Relationships or Relevant Non-Financial Relationship to disclose



Writing Needs

- Dictation
- · Outlining from notes
- Using Dictionaries to look up definition
- Synonyms
- Grammar checking: example: Grammarly
- Rewordify



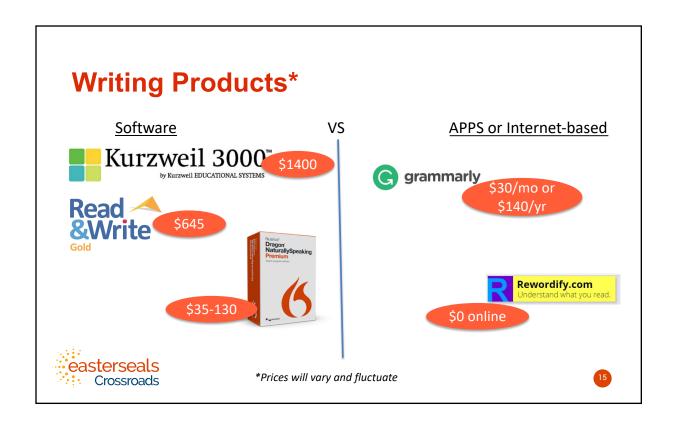


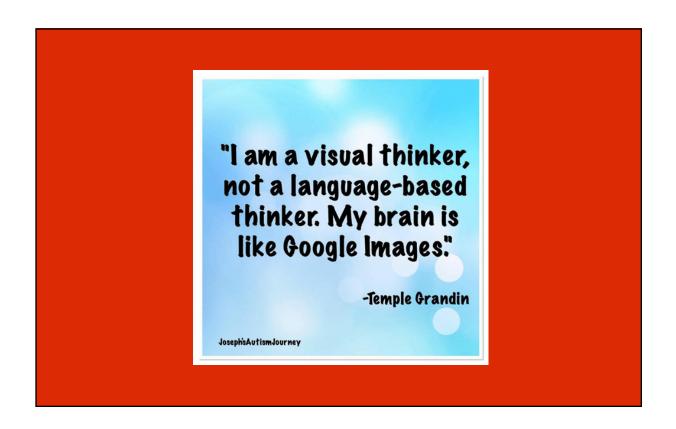
Writing Products

- · 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









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





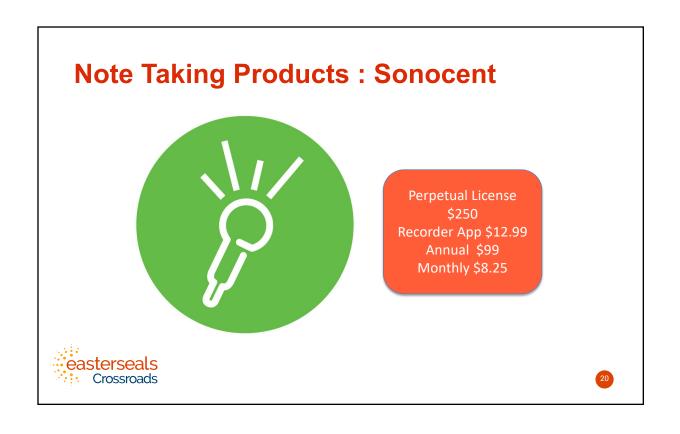
Note Taking Products

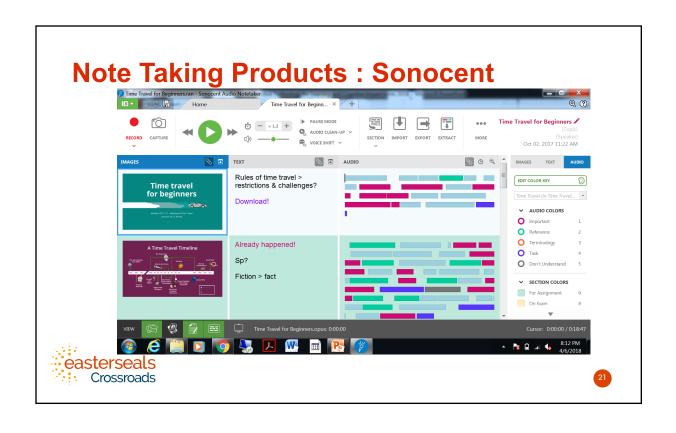
- LiveScribe Echo 8 Gb Pen
- Sonocent
- Audio Note
- Others
- Great way to teach what is important in note taking

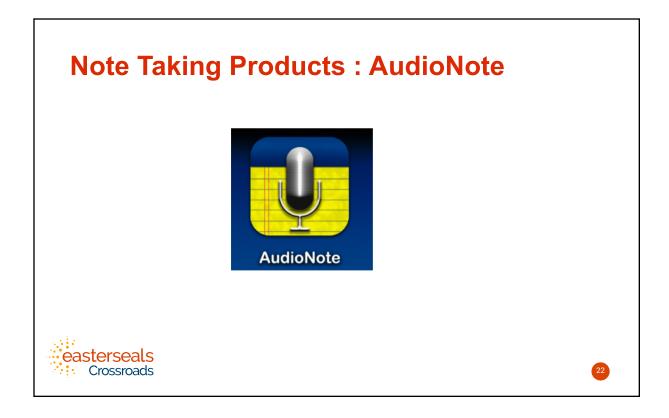












Math Needs

- 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

$$17 + 2(4 + 2x^2) = 33$$





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





