

Assistive Technology Supports for Low or No Vision

South Carolina Assistive Technology Program

CENTER FOR DISABILITY RESOURCES
SCHOOL OF MEDICINE
UNIVERSITY OF SOUTH CAROLINA

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Objectives

Participants will:

- List two benefits of assistive technology in the classroom for students with disabilities
- Identify three types of assistive technology that help students with low vision in the classroom
- List three different types of magnifiers



Assistive Technology - a definition

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



How does Assistive Technology help students with disabilities?

- AT helps to improve the student's participation in the classroom.
- AT allows the student to enjoy his experience in the classroom.
- AT gives the student the ability to achieve success in learning.
- AT allows the student to be more independent.



How does Assistive Technology help students with disabilities?

Tools for reading print visually fall into four broad categories:

- large print
- [non-optical devices](#)
- optical devices
- electronic devices



What types of Assistive Technology help students with visual impairments?

- Video Magnifiers
- Braille Technology
- Optical Character Recognition Systems
- Speech Systems
- Magnification Programs for the Computer Screen
- AFB Product Evaluations
- Assistive Technology Videos



Daily Activities



Daily Activities

- Telling time
- [Reading](#)
- Writing
- Computer use
- Calendar use
- Socializing
- Navigating
- Planning



Large Print



Talking Calculators



Talking Scientific Calculator iOS app



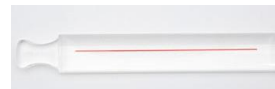
Handheld and Stand Magnifiers

Good for:

- Starter magnifier
- Small reading tasks
- Ease in use
- Portability
- Lower magnification needs
- Budget-conscious individuals



Bar Magnifiers



Fresnel Magnifiers



Hand-Held Magnifiers



Unlighted and lighted



Video Magnifiers



Handheld Video Magnifiers



Stand Magnifiers



Stand Video Magnifiers



Electronic Magnifier



VisionAssist app



CCTVs

Good for:

- Writing
- Large reading tasks
- Central location
- Larger magnification needs
- Funding or private pay individuals



Video Magnifiers



CCTVs



Video Magnifiers/Scanners

Good for:

- Writing
- Large reading tasks
- Portability
- Larger magnification needs
- Auto focus
- Listening to text (some models)
- OCR (some models)



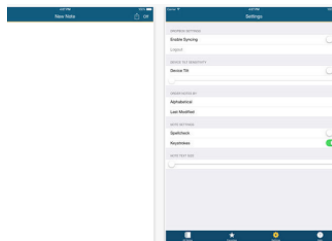
Video Magnifiers/OCR Scanners



Text Scanners with OCR



Taking Notes



AccessNote app that works with Voice Over



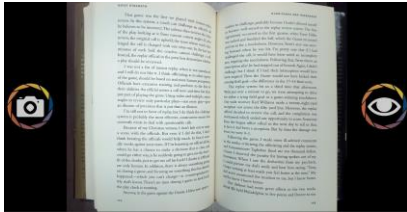
Text Scanner with OCR



Text Scanners with OCR and Read Out Loud Capabilities



Text Scanner with OCR



KNFB Reader on iOS and Android



Computer Software/Accessories

Good for:

- Using the computer
- Reading documents and website
- Large reading tasks
- Writing
- Small and large magnification needs
- Listening to text (some)



Computer Software/Accessories



Magnification Software for Low Vision



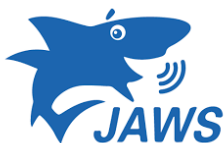
Computer Software/Accessories



Free Screen Readers for Low Vision and Blindness



Computer Software/Accessories



Screen Readers for Low Vision and Blindness



Computer Software/Accessories



Refreshable Braille display



Magnifying at a Distance



Monoculars



Magnifying Near and Far



Seeing print near and far plus OCR



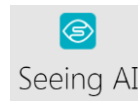
Magnifying Near and Far



Seeing print near and far



Apps



Seeing AI



Color ID



Be My Eyes



KNFB Reader



NantMobile Money Reader



Magnifying Near and Far



NuEyes



eSight



Hearing Print from Near and Far



Navigating



Gives haptic feedback

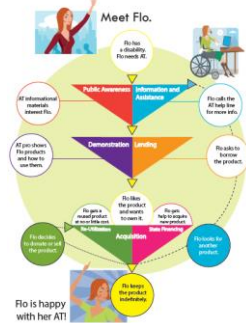


SC Assistive Technology Program Services

- Equipment demonstration center
- Equipment loan program
- AT Exchange
- AT Reuse Program
- Training
- Telephone Technical Assistance
- Annual Free Expo



Assistive Technology Services "Flo" Chart



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