

**Assistive Technology (AT)
and
Traumatic Brain Injury**

Latasha M. Hartman, MS, ATP
Rehabilitation Engineer
Redwood Assistive Technology Resource Center

Objectives

- o Name three areas of life that may be enhanced by the use of assistive technology for functional independence.
- o List 3 assistive technology devices either by name or description.
- o List two resources for obtaining assistive technology.

Getting to Know You

- o Assistive Technology Users?
- o Seen and Heard?
- o Challenges? Problems to Solve?

Assistive Technology Categories

- o Daily Living
- o Mobility
- o Seating and Positioning
- o Computer Access
- o Home/Workplace Modifications
- o Sensory Aids
- o Recreation
- o Environmental Controls
- o Augmentative Communication

Assistive Technology Barriers

- o Cost/Funding Limitations
- o Awareness
- o Fear of Complexity
- o Timeliness of Solutions
- o Training
- o Support

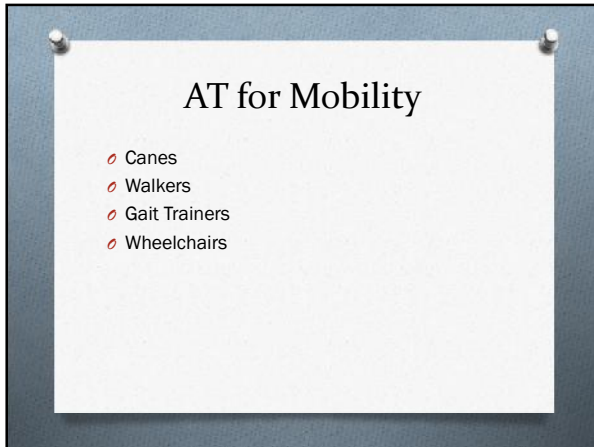
AT for Memory and Focus

- o Remember events, tasks, medications
- o Timers
- o Electronic Schedules
- o Video modeling
- o Electronic Pill Boxes
- o Electronic Note Takers



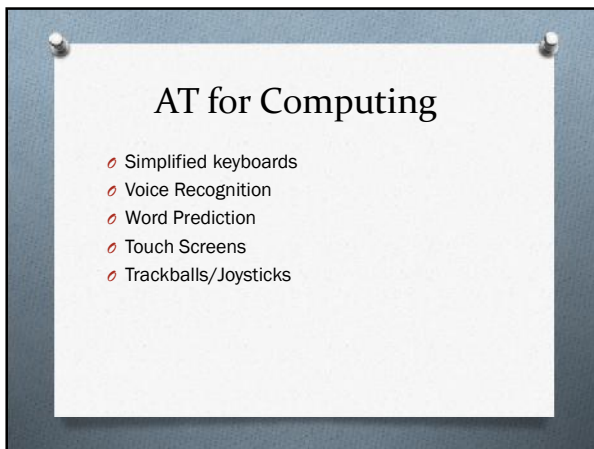
AT for Communication

- o Picture Exchange
- o Eye gaze boards
- o Speech Generating Devices
- o Apps for Communication



AT for Mobility

- o Canes
- o Walkers
- o Gait Trainers
- o Wheelchairs



AT for Computing

- o Simplified keyboards
- o Voice Recognition
- o Word Prediction
- o Touch Screens
- o Trackballs/Joysticks

Assistive Technology Resources

- o Local Assistive Technology Resource Centers
 - o Redwood – Fort Mitchell
 - o EnTech – Louisville
 - o Bluegrass Technology – Lexington
 - o WKATC – Owensboro
- o Kentucky Assistive Technology Locator
 - o www.katsnet.at4all.com
- o Kentucky Assistive Technology Loan Corporation
- o Office of Vocational Rehabilitation

Questions? / Contact Us

Latasha Hartman
llampkin@redwoodnky.org
859-331-0880 x316
