



Alabama Department of  
**REHABILITATION SERVICES**

## *Home, Job, and Classroom Accommodations*

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## *Agenda*

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- How to Evaluate for Assistive Technology
- Home Accommodations
- Job Accommodations
- Educational Accommodations



## *Evaluation Process*

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- Formal method of performing evaluations to cover all the bases
  - Person
  - Task
  - Environment
  - Technology



## *Person*

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Identify the characteristics of the person

- What are their abilities?
  - Physical
  - Sensory
  - Cognitive
- What are their functional limitations?
- Anthropometric Data
- Skills and Knowledge



## *Activity/Task*

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What is the Task or Activity to be performed?

- Review job description for essential functions
- Job Analysis – define tasks
- Task Analysis – break down task into components



## *Environment*

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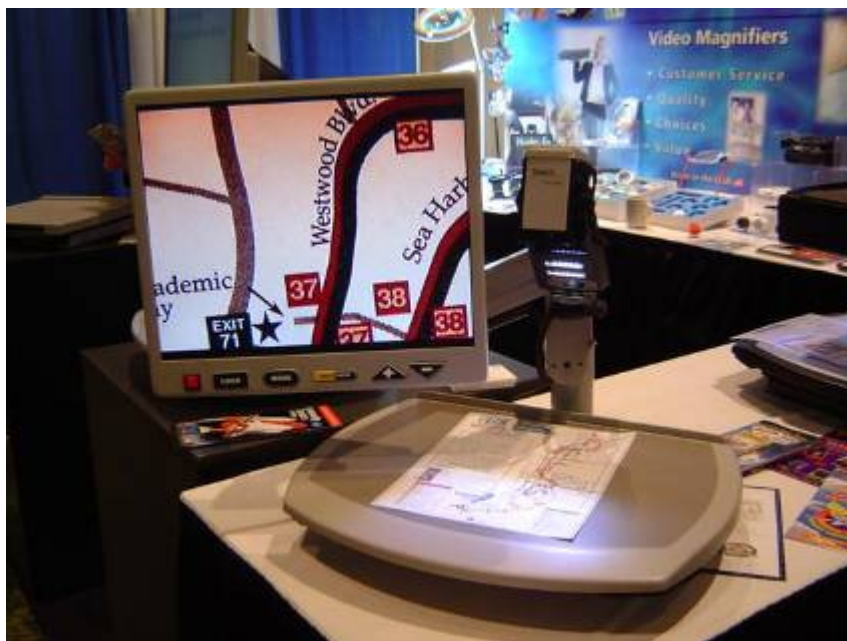
Where with the person be using technology to perform the task?

- Inside or Outside
- Bright light or darkness
- Dry or Moisture
- Vibration, mechanical stresses
- Other conditions that may pose a risk to the person or their technology



## *Technology*

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What technology is used or could be used by a person to perform a task?

- Characteristics of the Technology
- High vs. Low Tech
- Electrical vs. Mechanical



## *Home Modifications*

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- Parking
- Entry
- Accessible Route
- Kitchen
- Bathroom
- Bedroom
- Other Home Features





## *Parking & Entry*

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- Park on flat, level surface
- Exit car on to hard, level surface, preferably not dirt or gravel
- Route to entrance should be level as possible to minimize the need for ramps. Use the contour of the land.





## *Entrance and Accessible Routes*

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- No slopes greater than 1" rise per 12" run
- The lower the slope, the easier it is to go up and down
- The accessible route should not cross dirt, mud, sand, or gravel





## *Kitchen*

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- Clear floor space
- Roll under sink
- Accessible counters and storage cupboards
- Easy to reach appliances
- Accessible table or peninsula





## *More Accessible Kitchen Features*

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## *Bathroom*

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- Clear floor space
- Legroom under sink
- Accessible storage
- Roll-in shower or transfer bench
- Grab Bars
- Adjustable showerhead
- 18" high commode or raised toilet seat
- Anti-scald valve
- Commode chair/shower chair





## *Bedroom*

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- Maneuvering Space
- Transferring into bed
- Accessible closets and shelving
- Getting dressed





## *Other Home Features*

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- Windows
- Stairs
- Environmental Control (lights, electronic equipment, etc)
- Telecommunications





## *Job Accommodations*

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- Modifications or adjustments to a job description, the environment, job context, or job tasks that enables a qualified person with a disability to enjoy equal access to employment. Accommodations provide people with disabilities opportunities to attain the same level of performance and to enjoy the same benefits and privileges as are available to similarly-qualified able bodied employees.





## *Worksite Accessibility*

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- Access to parking and entryway
- Interior routes
- Work Area
- Bathroom and break room
- Employees should enjoy all rights and privileges of employment





## *Accessible Microscope & Imaging Station*

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## *Accessible Office Area*

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## *Accessible File Cabinets*





## *Accessible Desk for Computer Access*

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## *Accessible Information Technology*

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- Copiers
- Fax Machines
- Telephones



Never miss a call with the Remote Lifter



With a touch of a button on your headset... the Remote Lifter automatically lifts and lowers your office phone handset allowing you to answer and end calls away from your desk.





## *School Accommodations*

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- Accessibility within the school
- Access to curricula
  - Reading
  - Writing
  - Math
- Extra Curricular Activities



## *Laws*

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- Americans with Disabilities Act of 1990, ADA (PL 101-336),
- Section 504 of the Rehabilitation Act of 1973 (PL 93-112)
- Education for All Handicapped Children Act of 1975 (PL 94-142)
- Individuals with Disabilities Education Act (IDEA) of 1990 (PL 101-476)





## *Physical Access*

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- Move activities from inaccessible to accessible locations
- Purchase, redesign, or relocate educational equipment
- Assign an aide
- Structural changes to eliminate barriers
- Not everything has to be accessible, but all programs available in inaccessible locations must also be available in accessible areas.
- Accessibility Guidelines for Building Elements Designed for Children (not officially part of ADAAG)  
<http://www.access-board.gov/adaag/kids/final.htm>



## *School Accommodations*

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## *Accessible Laboratories*

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- Counter height – no higher than 34”
- Sinks and equipment – pipes screened or insulated
- Height adjustable casework, tables, or carts
- Fume Hoods – lower sills, height adjustable, or walk/roll in.
- Lab’s can have negative air pressure, may need power assisted door opener
- Accessible emergency eye-wash and shower stations.



## *Reading*

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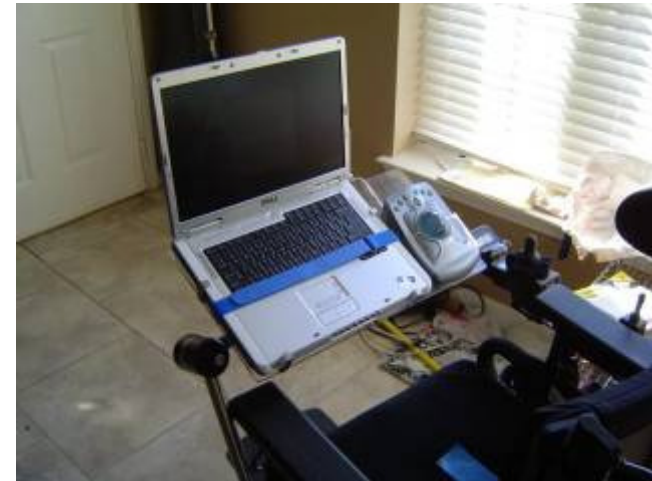
- Electronic Books (eBooks)
  - Light weight
  - Can independently access book on computer
  - Multiple formats
    - DAISY Readers
    - PDF, Text, Doc formats via CD or Internet
    - Audible or other audio formats
    - Text to Speech software
  - Use computer access method to take notes, highlight text, and review



## *Writing*

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- Non-slip paper holder
- Easy to grip pens and pencils
- Writing cuffs and orthotics
- Adapted keyboards & typing splints
- Abbreviation expansion software
- Speech recognition software





## *Math*

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- Graph paper with 1/2" or 1" squares
- Easy to grip pencils, paper holders, etc
- Computer based Math software
  - Mathpad
  - Virtual Pencil
  - Intellikeys with math software
  - MathTalk/Scientific Notebook (for more advanced math)



## *Extra Curricular*

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- Accessible Playgrounds
- Sports
- Physical Education





## *Contact*

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- <http://www.rehabengineer.com>
- 800-671-6837





## *Resources*

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Maximum Mobility and Function, Jul 1, 2003, Michael Smyser,  
[http://asumag.com/mag/university\\_maximum\\_mobility\\_function/](http://asumag.com/mag/university_maximum_mobility_function/)

Bathroom Accessibility

<http://www.catea.org/quickrefguides/guides/Bathroom.php>

Bedroom Accommodations

<http://www.catea.org/quickrefguides/guides/Bedroom.php>