

Arkansas Assistive Technology Consideration Resource Guide

Assistive Technology Devices are “any item, piece of equipment, or product system, whether acquired commercially off the shelf, modified, or customized, that is used to increase, maintain, or improve the functional capabilities of a child with a disability.” -IDEA 2004

Assistive Technology Services are activities that help teams select, acquire and/or provide technical assistance in the use of assistive technology devices. Examples include: -IDEA 2004

- Assistive Technology Evaluation for the student
- Acquisition of AT - purchasing or leasing
- Selecting, designing, fitting, customizing, adapting, applying, maintaining, replacing, and/or repairing AT devices
- Coordinating and using other therapies, interventions or services with AT devices
- Training or technical assistance for student or student’s family
- Training or technical assistance for professionals, employees or others who are involved with the student

Useful Notes for Using this Resource Guide

Column A: Relates to basic instructional tasks which support the Arkansas State Standards and/or other tasks

Column B: Standard classroom materials available for student use (listed in alphabetical order)

Column C: Accommodations, modifications and/or strategies (listed in alphabetical order)

Column D: Potential Assistive Technology solutions (indicate tools for possible trial)

eastersealsopts.org



**Arkansas Assistive Technology
Team Building Project**

This document is designed to assist IEP teams by providing general examples in each area, but it not considered all inclusive or meant to be used as a checklist.

Arkansas Assistive Technology Consideration Resource Guide

Math

Target: Student successfully using and applying math skills using tools and/or strategies

| Sample Tasks | Standard Classroom Materials | Accommodations / Modifications | Assistive Technology |
|---|--|--|---|
| <ul style="list-style-type: none"> ● Identify numbers ● Use number concepts ● Complete basic calculations ● Complete complex calculations ● Complete math word problems ● Use time concepts ● Use money concepts ● Use measurement concepts ● Use geometric concepts ● Use fractions and decimals ● Use and interpret data ● Explain knowledge of mathematical process. | <ul style="list-style-type: none"> ● Calculator ● Computer/table/word processor ● Document camera ● Formula sheet ● Graph paper ● Interactive whiteboard ● Manipulative ● Math chart ● Math drawing tools ● Math fact sheet ● Number line | <ul style="list-style-type: none"> ● Change assignment format ● Change complexity of material ● Color-code operation symbols and/or text ● Decrease assignment length ● Dictionary of math terms ● Group similar problems together ● Have students verbalize the process ● Increase print size ● Increased time ● Peer/adult assistance ● Provide additional spacing between problems ● Rephrase vocabulary in word problems ● Turn lined paper vertically for ready-made columns | <ul style="list-style-type: none"> ● Page fluffers ● Adapted paper ● Tactile graphics ● Calculator ● Alternative calculators <ul style="list-style-type: none"> ○ Talking ○ On-screen ○ Braille ○ Money ● Talking watch/clock/timer ● Voice activated assistant <ul style="list-style-type: none"> ○ Alexa, Google Home ● Device, software or App <ul style="list-style-type: none"> ○ Equation editors ○ Math translator ○ Document scanner ○ Electronic math worksheets ○ Graphing ○ Color identifier ○ Money identifier ● Adapted measuring devices <ul style="list-style-type: none"> ○ Measuring cups ○ Talking tape measures ○ Rulers ○ Compasses or protractors ○ Thermometers |

Arkansas Assistive Technology Consideration Resource Guide

Study and Organizational Skills

Target: Student successfully learning, studying and staying organized using tools and/or strategies

| Sample Tasks | Standard Classroom Materials | Accommodations / Modifications | Assistive Technology |
|---|--|--|--|
| <ul style="list-style-type: none"> ● Maintain dedicated study time ● Maintain 'to do' list ● Follow organizational system ● Keep track of assignments ● Follow steps to complete assignments ● Complete assigned task within designated timelines ● Request teacher/peer assistance when needed ● Have appropriate materials/supplies ● Identify important points ● Compile and organize information from various sources ● Take notes | <ul style="list-style-type: none"> ● Agendas ● Calendars ● Classroom reminders ● Computer/tablet/word processor ● Document camera ● Interactive whiteboard ● Notebooks ● Parent/student portals ● Rubrics ● Social learning networks ● Study guides ● Syllabuses | <ul style="list-style-type: none"> ● Additional spacing between desks ● Assignment sheet ● Color coding ● Daily planner book ● Dedicated study time ● Highlighters/sticky notes ● Optimal student seating <ul style="list-style-type: none"> ○ appropriate lighting ○ away from extraneous noises ○ close proximity to the teacher ○ individualized visual proximity to educational environment/materials ● Outline of key points ● Peer/adult assistance ● Provide extra supplies of classroom materials ● Provide long-term assignment timelines ● Provide oral and printed directions ● Provide portable electronic storage file system <ul style="list-style-type: none"> ○ Cloud technology ○ Portable hard drive ○ USB flash drive ● Provide print copies of ordered steps in a task ● Sensory supports <ul style="list-style-type: none"> ○ Auditory ○ Tactile ○ Visual ● Show a model of the end product ● Student checklist ● Study carrel | <ul style="list-style-type: none"> ● Digital recorder ● Voice activated assistant <ul style="list-style-type: none"> ○ Alexa, Google Home ● Smartwatch ● Device, software or app <ul style="list-style-type: none"> ○ Auditory reminders ○ Speech prompting ○ Daily planners ○ Outlining/graphic organizers ○ Advanced reading and writing aid software that includes: <ul style="list-style-type: none"> ▫ Optical Character Recognition ▫ Text-to-speech with highlighting ▫ Study tools ▫ Dictionary ▫ Word prediction ○ Braille note taker with refreshable display ● Timers <ul style="list-style-type: none"> ○ Auditory ○ Visual ● Specialized tote for students with visual impairments ● Smart pen |

