# AT Ideas for Writing

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| **STRATEGIES & MODIFICATIONS** | **LOW-TECH** | **HIGHER TECH** |
| Extend time for assignments/tasks |  Pencil grips/holders | Tape recorder |
| Reduce or use alternative assignments/tasks |  Short Pencil stub | Electronic/talking dictionary/thesaurus, |
| Adjust seating position (900 x 900 x 900) |  Pens with different grips | spelling & grammar checker |
| Peer “scribe” for note taking or dictation |  Tape recorder | Typewriter (electric, manual, or primary) |
| Seating needs (hearing, seeing, distractibility |  Straps/splints for pencil | Portable note taker (regular or braille) |
|  noise level, traffic pattern, front/back of room, |  ”T” holder for pencil | **Computer** |
| near teacher or peers, etc.) |  Chalk holder | Work processors/test output devices |
| Desk (wheelchair accessible, laptop, tilt, flip |  Writing frame | Key guard (with reduced # of keys) |
| top desk, lip on side of desk, large table, stand |  Wrist weight/hold down | Key guard (for all keys) |
| rather than sit, study carrel, etc.) |  Slant Board | Alternative keyboard |
| Reduce clutter on desk | Dycem or other non-slip material | Built-in accessibility options |
| Allow use of word cards, spelling list, hints, |  Name/number/date stamps | Screen reader |
| etc.) |  Magnetic letters and cookie board shoot | Screen magnifier |
| Do not penalize for misspellings, poor |  Line indicators (raised line, with mid-line, | Enlarged or braille key covers/caps |
| writing, or grammar | etc.) | Large print or braille printers |
| Allow single word or short answers |  Sections on paper (draw lines, fold, etc. | Screen flasher (flashes when sound is |
| Line indicators (raised line, with mid-line, |  Type of paper (graph, textured, colored, on | emitted by computer). |
| etc.) | sandpaper, etc.) | Alternative methods to access keyboard |
| Give multiple-choice tests | Provide extra white space | (mouth sticks, head sticks, electronic) |
| Allow either printing or cursive | Highlight or color code | On-screen keyboard |
| Use checklists to help get started | Cover parts of worksheet | Touch Window |
|  Teach and review test-taking vocabulary | Put less information on page | Switch control (single or multiple) |
| Allow single word or short answers | High contrast colors | Software for control of keyboard delay and |
|  Provide models of tests/assignments | "Post It,” notes for 'fill in the blank" tests | repeat, cursor control from keyboard, and |
|  List critical vocabulary for content material | Word cards, book, wall, or file | control of input rate |
|  | Pocket dictionary/thesaurus | Voice Recognition |
|  | Pencil/pen attached to desk | Software strategies (word prediction, |
|  | Printing calculator | abbreviation expansion, etc.) |
|  | Trace letters /numbers/ words on worksheet using | Software for talking word processor |
|  | highlighter | Software for organization & expression |
|  | Stencils to trace letters | Software for alternative output |
|  | Tactile letters | Interactive writing software |
|  | Pictures, drawings, photos, etc. | Hard drive to minimize disk handling |
|  | Sentence stripsNCR paper for peer to provide notesLighting adjustments (more, less, direction)3" three ring binder as slant boardTypewriter | On/off switch within reach or adapted |
|  |  | 10/2014 |

## STRATEGIES & MODIFICATIONS

Extend time for assignments/tasks

Use alternative assignments/tasks

Seating position

Seating needs (hearing, seeing, distractibility. noise level, traffic pattern, front/back of room, near teacher or peers, etc.)

Desk (wheelchair accessible, laptop, tilt, flip top desk, lip on side of desk, large table, stand rather than sit, study carrel, etc.)

Reduce clutter on desk

Supply appropriate reading level

Provide means for self-selection of books

Reduce # of items and/or items per page

Give take-home/open book/use of notes tests

Tape tests, untimed tests, or use a reader

Allow alternative methods to demonstrate comprehension

Select question format carefully

Teach and review test-taking vocabulary

Teach strategies to prepare for different types of tests/assignments

Provide extra cues or prompts

List critical vocabulary for content material

Provide discussion questions before reading

Easy access to books

Reduce reading level

Use provided pictures for context

Discuss assignment before reading

Skim material before reading

Use alternative page set-ups

Use extra space between lines of print

Change text size, spacing, colors

# AT Ideas for Reading

## LOW-TECH

Slant board

Book holder

Page fluffers to help turn pages

Page extenders to turn pages

Laminate book pages

High contrast materials

Enlarged print

Eye gaze to choose books

Tactile enhancements

Lighting adjustments (more, less, direction)

Books on tape

Highlight key points in textbooks and notes

Rubber tabs used for glass to turn pages

Paper clips and a magnet to turn pages

Loose-leaf notebooks and page protectors

Word makers to guide reading

Label important items in room

Large print books

Pictorial directions (rebus, PCS symbols, etc.)

Add pictures, symbols, and/or signs

Paper clips and a magnet to turn pages

Classroom devices with speech output (language master, talking cards, etc.)

Teacher created books

Use pictures with text

## HIGHER TECH

Tape recorder with adapted controls

 Electronic/talking dictionary/thesaurus

Electronic page-turner

Filmstrip projector with adapted controls (enlarged, switch, etc.)

Slide projector with adapted controls

Devices with speech output (talking picture frames)

The 'Reading Pen"

## Computer

Software for talking word processor

Built-in accessibility options

Large, high-resolution monitor

Screen magnifier

Color monitor and software to select colors

Screen magnification software

Screen reading software

Earphones for speech synthesizer

Large print output device

Braille output device

Refreshable braille displays

Screen flasher

Scanner

Storybook software

Download books from net and upload to talking word processor software

Scanner or OCR to upload to talking word processor software

Single switch software for reading

Interactive reading software

# AT Ideas for Math

## STRATEGIES & MODIFICATIONS

Reduce clutter on desk

Extended time for assignments/tasks

Reduced or alternative assignments/tasks

Clear and simple directions with examples and checks for comprehension

Peer tutor/cross age tutor &/or volunteer

Allow calculators/manipulatives/counters

Use alternative page set-ups

Seating position

Reduce number of items on page

Functional application of math skills

Adapt worksheets and packets

Teach "counting on" and other math strategies

Teach "problem solving"

Alter type of info (give answer first)

Fold paper to show one problem

Concrete materials

## LOW-TECH

Manipulatives (blocks, magnetic objects, etc.) with or without templates

Sliding math line

Abacus (regular or enlarged)

Visual cues (number line, posters, templates, etc.)

Dotted, highlighted or graph paper to line up math problems

Graph paper for place value in adding or subtracting

Circle or highlight computation sign

Calculators Dice made with large squares of foam

Counting mat or boxes

Number line on desk

Sliding math line

Mini whiteboard/chalkboard

Math dictionary

After workbooks/worksheets

Flash cards with string and beads attached

Walking number line on floor

 Multiplication grid

Lined paper turned sideways for columns

Cardholders

## HIGHER TECH

Talking calculators

Printing calculators

Braille calculators

Calculator with large keys, large LCD and/or printout

Tactile/voice output measuring devices (clock, ruler, etc.)

## Computer

On-screen calculator

Software for enlarged calculator

Software with templates for math computation

Software that allows for manipulation of materials

Software for adapted input methods/

Simulation software

Software for money skills, budgeting, check writing, etc.

Math talking worksheet software

Software to bridge the gap between abstract concepts and the real world

Exploratory software

## STRATEGIES & MODIFICATIONS

Reduce clutter on desk

Use clear, simple directions and check for comprehension

Use peers/cross-age tutors/volunteers

Attach assignments, schedule, checklist timetable, etc to desk

Appropriate scheduling/collaboration with resource teacher and others

Allow separate settings for tests/assignments

Have student arrive early to go over days plan, preview materials or tasks

Provide daily and weekly assignment sheets

 Use alternative page set-ups

Model the activity or provide example

Break Information Into steps

Prioritize tasks with time suggestions

Home texts/materials for preview/ review

Seating needs

Seating position

Teach study skills and self-monitoring

Use cooperative learning groups

Provide guided practice

Establish routines for handing in work, heading papers, etc.

Provide essential fact list

Teach key direction words

Review and practice in real situations

Plan and teach for generalization

Provide sequential directions (label as first, second, third etc.)

Use physical cues/gestures

Use supervised breaks if necessary

 Provide an adjusted timetable

Use a variety of instructional strategies

Schedule intermittent check for comprehension

Prioritize tasks with time suggestions

Write oral instructions & keep one location

# AT Ideas for Studying/Organization

## LOW-TECH

Organizers for materials (drawers, bins, etc.)

Organizers for desk Highlight key words and instructions

Use a "Notebook Control System”, Post It notes/flags

Erasable highlighter pens and tape

NCR paper for notes Tape record instructions

Use supplementary, multi-modality materials

Use vocabulary files, cards, or books

Pre-label, highlight, punch and collate handouts

Pictorial schedule/assignments Color-coded filing system (index tabs, folders, notebooks, book covers, etc.)

Voice output reminders for assignments, studying steps of task, schedule, etc

Photocopy information ahead of time

Study sheets to organize material

Change lighting (light on desk, back to window)

Use a light box Book ends and book holders to hold books on table

Prepare summary of important facts with blanks to be filled in by student during lesson

Use overlays/acetate on text pages

List of confusing words Business cards/ mailing labels

Earplugs or headphones

Combination analog/digital watches

Talking clocks

Phone dialers

Day-timers, schedulers and planners

## HIGHER TECH

Recorded material (books on tape, tape lectures with number coded index)

Mini pocket/key chain recorders

Portable electronic organizers, date books, etc.

Voice output reminders for assignments, multiple-step tasks, etc

Electronic dictionary, encyclopedia, etc

Videotape lesson for later review

## Computer

Software for manipulation of objects, and concept development

Software for organization of ideas and studying

Calendar/schedule making software

Outline in word processors

Free form databases

Use of word processor templates

Webbing, mind mapping software

Use of word processor forms