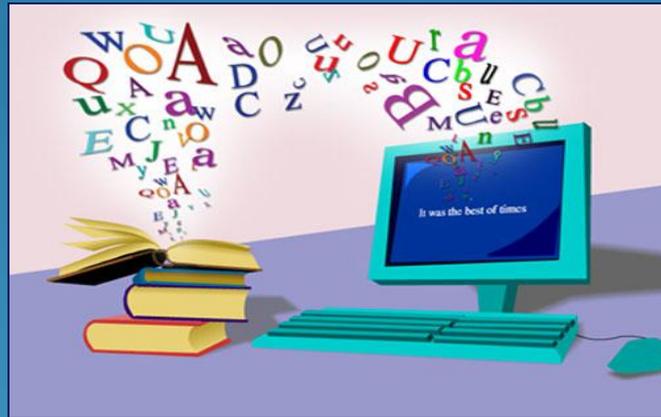


AIMing for Achievement!

NHAIM, Common Core Standards & Assistive Technology



Mary T. Lane, New Hampshire Dept. of Education
Diana Petschauer, ATP, NHAIM

NHAIM

- New Hampshire Accessible Instructional Materials & Assistive Technology training to access materials.
- Ensure the acquisition, production, and distribution of AIM to NH students in a timely manner.
- **Timely Manner=Same Time as their peers**
- NH Current Service Provider for AIM: Diana Petschauer
- APH Provides Braille, Large Font, DAISY Players, tactile graphics, electronic magnifiers; NH Ex-Officio for APH: Mary Lane
- NLS Provides Audio, Braille, and playback equipment
- NH Talking Books, NH State Library, Audio Books

NIMAS

- NIMAS is a technical standard used by publishers to produce source files (in XML) that may be used to develop multiple specialized formats (such as Braille or audio books) for students with print disabilities. aim.cast.org
- NIMAS files can be converted to RTF, Word doc., PDF, Daisy audio, MP3, etc. for students to access with screen readers and other Assistive Technology.
- Mary Lane, NHD OE, NIMAS Coordinator, mary.lane@doe.nh.gov

Who Qualifies?

- Blind students whose visual acuity, as determined by competent authority, is 20/200 or less in the better eye with correcting lenses, or whose widest diameter of visual field subtends an angular distance no greater than 20 degrees.
- Other students eligible are: Students whose visual disability, with correction and regardless of optical measurement, is certified by competent authority as preventing the reading of standard printed material
- Students certified by competent authority as unable to read or unable to use standard printed material as a result of physical limitations.
- Students certified by competent authority as having a reading or specific learning disability (print disability) resulting from organic dysfunction and of sufficient severity to prevent their reading printed material in a normal manner.
- Students with **print-related disabilities** who must gain the information they need to complete tasks, master IEP goals, and reach curricular standards.
- Students who are unable to obtain information through the use of traditional print materials and require accessible materials appropriate to their individual needs.

To Summarize Who Qualifies...

- Students who are Blind/ Visually Impaired Qualify for NHAIM
- Students who have a Print Disability Qualify for NHAIM
 - WHAT IS A PRINT DISABILITY???
 - A person with a print disability "cannot effectively read print because of a visual, physical, perceptual, developmental, cognitive, or learning disability," (see "[The Definition of 'Print Disabled,'](#)" by the Reading Rights Coalition), and so may require the materials in an accessible electronic format.

Assistive Technology May be Needed to Access NHAIM & NIMAS

- Diana Petschauer will provide training and assistance to school districts, administrators, educators, families, and students to utilize assistive technology to equally access textbooks and learning materials.
- DP.ATSpecialist@gmail.com

Assistive Technology

Simple Definition:

Any device, gadget, hardware or software used by a person with a disability to do things for themselves that might otherwise be difficult or impossible to do because of their disability.

Legal Definition:

Any item, piece of equipment, or product system, whether acquired commercially, modified, or customized, that is used to increase, maintain, or improve functional capabilities of individuals with disabilities. (29 U.S.C. Sec 2202(2))

Examples of Assistive Technology

- Wheelchairs, Walkers, Canes
- Text-to-Speech Software
- Voice Recognition/ Dictation Software
- Daisy audio players
- Digital Magnifiers/Magnification Software
- Apps and the iPad
- Software for Reading/ Literacy, Organization, Time Management, Study Skills
- AAC (Augmentative & Alternative Communication)
- Communication Boards
- Adaptations and/or modifications to equipment
- Switch Access for computers
- Adjustable/ Large Font Keyboard
- Adjustable Furniture
- Trackball Mouse
- E-books



NHAIM, NIMAS & Assistive Technology relating to the Common Core State Standards (CCSS)

- Students with disabilities have equal access to the curriculum, textbooks, materials, and learning.
- Students with disabilities can achieve high scores on standardized tests.
- Students with disabilities can meet AYP
- Students with disabilities can continue on to higher education, and compete globally for employment.
- Students with disabilities AIM to Achieve, and become lifelong learners.
- Students with disabilities do NOT get left behind, do NOT get excluded, do NOT miss out, are not vulnerable to dropping out.

Common Core State Standards

- Common Core Standards articulate rigorous, grade-level expectations in the areas of English language arts and mathematics .
- Special education supports and related services to meet the unique needs of those student and to access to the general curriculum .
- An Individualized Education Program including annual goals to align with grade level academic standards .
- Assistive technology devices and services to ensure access to the general curriculum and receive instructional materials .
- 21st century technology and media skills are integrated throughout the Common Core.

FREE Programs!!!

- Students have access in and out of school environment, as well as when they graduate.
 - Bookshare
- Free Text-to-Speech & MP3 Conversion-Balabolka and Natural Reader
 - Free DAISY add-on in Microsoft Word
 - Free DAISY Readers (AMIS)
 - Free EPUB Creators and Readers- E2Pub & Blio
 - Free Word Prediction- eType
 - Free Grammar and Spell Check-Ginger
 - Free e-books
 - NIMAS files are Free to Qualified Students
 - Free NIMAS Converter
 - Free Apps
 - Free Magnification options



Why Provide AIM?

The Legal Connection

- Provisions within the Individuals with Disabilities Education Improvement Act of 2004 require state and local education agencies to ensure that Textbooks and related core Instructional Materials are provided to students with print disabilities in Specialized formats in a timely manner. (Alternative, Accessible formats).
- What are Specialized formats? Braille, Large Print, Audio and Digital Text.
- Exactly the same information as the printed materials.
- Only the presentation different.
- Section 300.172, Final Regulations of IDEA 2004
- This is NOT a choice, it is required.

Responsibilities of Decision-Making Teams

1. Establish need for instructional materials in specialized format(s)
2. Select specialized format(s) needed by a student for educational participation and achievement
3. Commence SEA- and/or LEA-defined steps to acquire needed format(s) in a timely manner
4. Determine supports needed for effective use for educational participation and achievement.

Key Questions to Guide Decision-Making about Accessible Instructional Materials

- Does this **STUDENT** need instructional materials in specialized formats to access the curriculum and receive FAPE?
- What print-based materials are being used in the student's **ENVIRONMENTS**? In which environments will specialized formats be used?
- For which **TASKS** will the student require materials in which specialized format?
- What **TOOLS** will the student and others need?
 - *Technology? Instruction? Training? Services? Accommodations? Modifications?*

Decision-Making Tools from the AIM Center

- The AIM Navigator <http://aim.cast.org/navigator/page/>
- The four major decision points in the process include
 - 1) determination of need
 - 2) selection of format(s),
 - 3) acquisition of format(s)
 - 4) selection of supports for use. The AIM Navigator also includes a robust set of guiding questions and useful references and resources specifically related to each decision point.

Assistive Technology Makes Education Possible

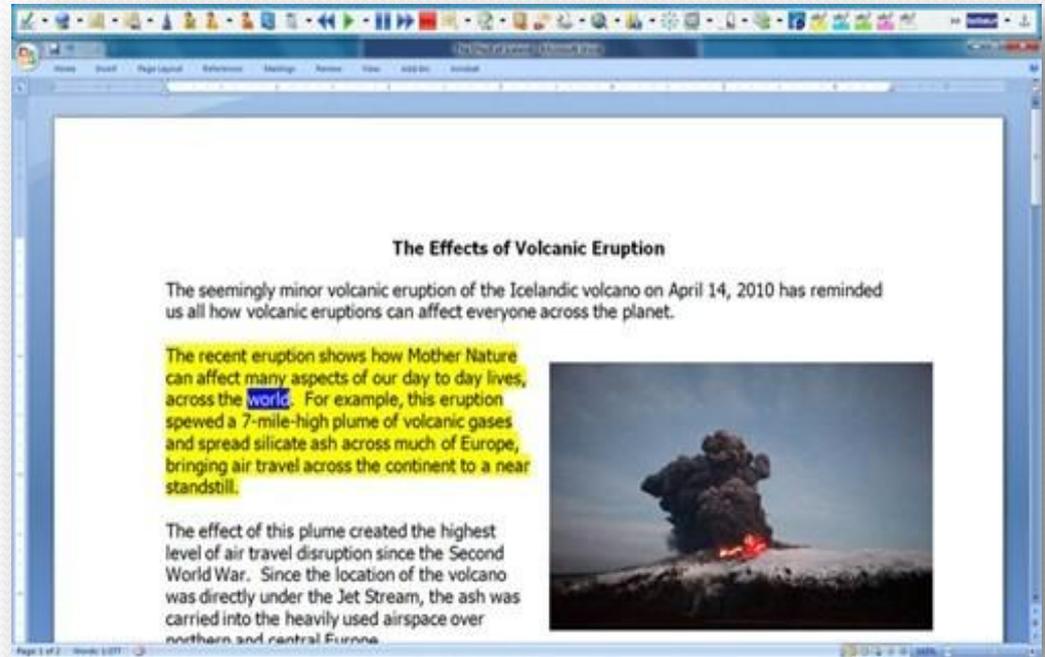
- **“For people without disabilities, technology makes things easier.
For people with disabilities, technology makes things possible.”**

There are Many Options for AIM & Accessible Instruction

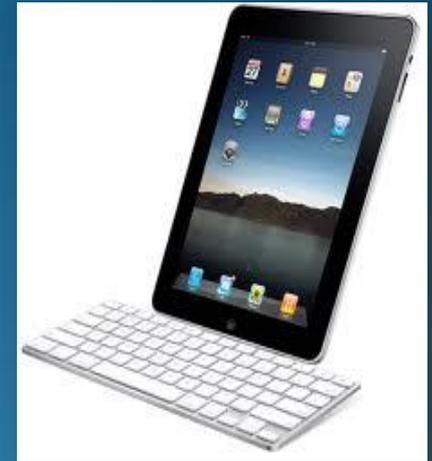
- FREE Resources & Training
 - Literacy Software
 - iPad & Educational Apps
- Alternative Text Station/ Lab in Schools
 - NH Accessible Instructional Materials
- Contact Kerry Schmidt, and she will direct your request to the appropriate contact:
kerry.schmidt@doe.nh.gov

Read and Write Gold

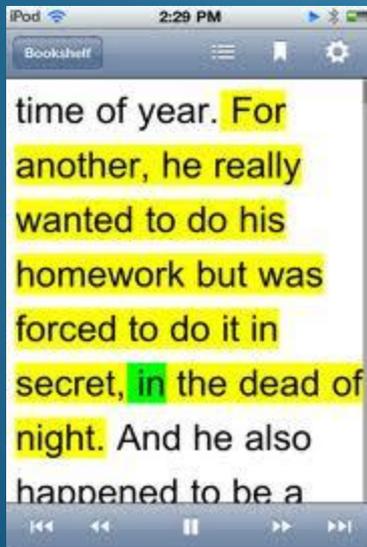
- All-in-One Toolbar Stays atop all applications; comprehensive literacy software
- Text-To-Speech for Web and Documents
- Scanning for books and learning materials to Word to use with screen readers
- Convert to DAISY, Daisy Reader
- Free NIMAS Converter
- Instant Access to Bookshare
- Convert to MP3
- Word Prediction
- Speak as I type
- Fact-Mapper for Brainstorming
- Web Apps for iPad
- PDF editor
- E-Book Creator
- Highlight with export to Word, Bibliography saved
- Fact Folders for Organization



iPad & Apps



- iScroll
- Stanza
- iBooks
- Read2GO
- InDAISY
- TextGrabber
- VisionAssist
- iAnnotate
- Popplet
- Brevity



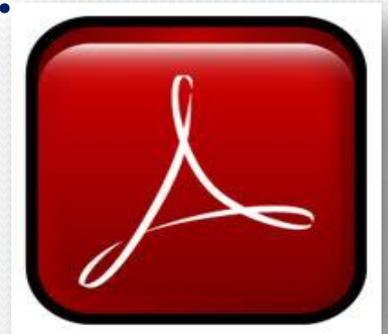
Alternative Text Station

Working towards this option in schools:

- Students, Educators, School Professionals and Volunteers use this station to acquire, create, convert, and access Accessible Textbooks and Instructional Materials for Students.
- Students Receive AIM in a timely manner as required, and needed.
- High School students learn skills and technology that allows them to access materials independently, preparing them for college and employment
- Combination of free programs and purchased software. iPads and Apps also a consideration.

Additional Software to Consider

- Adobe Acrobat-Convert to Accessible PDF, Convert to Accessible Word Doc with OCR.
- Dolphin Publisher or Dolphin Easy Converter-
Easily and Quickly Convert to
DAISY, MP3, Large Font, or Braille.



Additional Resources for Educators & Students

- Excel Spreadsheet of Apps for College Students, all relevant to High School and Middle School Students:
 - <http://www.unh.edu/disabilityservices/ipod-ipad-and-android-apps-college-students>
- Link to 471 places for Free e-books and 91 Places for Free audio books (K-12):
 - <http://www.techsupportalert.com/content/50-places-free-books-online.htm>
 - Free Classic literature audiobooks with natural recorded voices(digital)
 - <http://www.ccprose.com/>

Important Facts to Remember:

- NHAIM is the Law, and there are FREE resources and NHDOE contacts to Assist & Support you! We are here to help; please contact:
- Diana Petschauer, NHAIM & Assistive Technology, DP.ATSpecialist@gmail.com
- Mary Lane, NIMAS & APH, NHDOE mary.lane@doe.nh.gov
- Kerry Schmidt, NHDOE Kerry.Schmidt@doe.nh.gov
- NHAIM, NIMAS, Assistive Technology & the CCSS help students to AIM for Achievement, meet AYP, and compete globally in education and employment.