


●●● | **Accessible Instructional Materials (AIM)**

**Selecting, Acquiring and Implementing**

**Accessible Instructional Materials**

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●●● | **Overview of AIM**



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●●● | **IDEA 2004, Section CFR 300.172**

Requires state and local education agencies to ensure the provision of accessible instructional materials in a timely manner to students with print disabilities who require them.

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••• | **AIM: Accessible Instructional Materials**

- Textbooks
- Core Instructional Materials
- Provided in specialized formats
- To support access to the general curriculum
- To enable students with print disabilities to gain the information they need to complete tasks, master IEP goals, and reach curricular standards

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••• | **Accessible Materials**  
OAR 581-015-2060

(2) School districts must ensure the timely provision of instructional materials in accessible formats to children who need instructional materials in accessible formats...

Stat. Auth.: ORS 343.041, 343.045  
[AIM Regulations, AIM Fact Sheet #1]

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**"Children who need Accessible Instructional Materials"** are students who have difficulty or cannot gain information from traditional print materials.

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●●● | Students with Print Disabilities may have

- Blindness
- Vision Impairment
- Physical Limitations
- Reading Disability due to Organic Dysfunction



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●●● | National Instructional Materials Access Center (NIMAC)

- IDEA 2004 mandates the establishment of the NIMAC
- a national repository for electronic files of textbooks and core related instructional materials in the NIMAS file format.

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●●● | Access to Instructional Materials

(1) The state must adopt the NIMAS standard...for the purpose of providing instructional materials to blind persons or other persons with print disabilities in a timely manner... after July 19, 2006.

IDEA 2004: CFR 300.172 (e)(1)(iii)

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••• | Timely Manner

A timely manner means the materials are available at the same time as materials are available for students who do not need materials in alternate formats.

OAR 581-022-1640

[Timely Manner Definition, AIM Fact Sheet #2]

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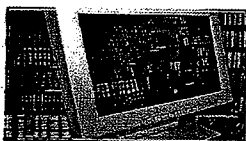
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••• | Purpose of NIMAS



To help increase the availability and timely delivery of print instructional materials in accessible formats to blind or other students with print disabilities in elementary and secondary schools.

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••• | NIMAS applies to:

- o Textbooks and core instructional materials that have been published since 2006

AND

- o That have been adopted by ODE for use in Oregon schools

OR

- o That have been adopted by the district under ODE's guidelines

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**Publishers are not required by law to create NIMAS files**

- o The state and district are required to contract only with publishers who agree to provide NIMAS source files to the NIMAC.
- o Publishers agree to send NIMAS files to the NIMAC when they contract with states and districts who coordinate with the NIMAC.

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**Chafee Amendment to the Copyright Law**

- o Section 121, passed in 1996:
  - Allows authorized entities to republish copyrighted texts in specialized formats
  - To be used exclusively by persons who are blind or have other print disabilities

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**Chafee Amendment Eligibility**

- o Students who are eligible under the Copyright Act as amended in 1996
- o Have a print disability as defined by the Library of Congress regulations 36 CFR 701.6(b)(1)
- o Are eligible to receive electronic files from the NIMAC

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••• | **NIMAS Files for Provision of AIM**

(1) School districts must ensure the timely provision of print instructional materials, including textbooks, that comply with the National Instructional Materials Accessibility Standards (NIMAS) for students who are blind or print disabled, in accordance with OAR 581-022-1640.

OAR 581-015-2060

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••• | **Eligibility for NIMAS**

- o Students on IEP's,
- o And who have:
  - Blindness
  - Vision Impairment
  - Physical Limitations
  - Print Disability due to Organic Dysfunction



[Chafee Eligibility Criteria, AIM Fact Sheet #3, Side 2]

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••• | **To receive AIM based on NIMAS source files:**

Student must

- ✓ Be Chafee-eligible, and,
- ✓ Have an IEP
- IEP specifies they need Instructional Materials in Accessible Formats (AIM)

[See AIM Process Sheet #1, Determining Student Need for AIM]

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••• | Who Else Can Benefit from AIM?

- o Students who need special education materials in specialized formats
- o ESL Students
- o Students who have difficulty taking notes
- o Students with attention or organizational difficulties
- o Other?

\*\*Students may not qualify for NIMAS, but may need AIM accommodations under IDEA or Section 504.

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••• | All About AIM Formats



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••• | NIMAS Source files are **not** ready for student use.

NIMAS files must be converted into accessible, student-ready formats.



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### What is DAISY?

#### Digital Accessible Information System

- o DAISY is a standard for producing accessible and navigable multimedia documents. Such as, Digital Talking Books (DTB), digital text books, or a combination of audio and text books

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### ...Resulting in Specialized Formats



Large Print



Braille



Digital Text

Audio



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### Digital Text



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••• | **Digital Text**

- Electronic – on screen text
  - Cell phones, computers, GPS, Aug Com Devices etc.
- Text to Speech
- Dynamic
- Navigable
  
- HTML Format used by the internet
- PDF Portable Document File:  
scanned document

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••• | **Digital Text Considerations**

- Who might benefit?
  - Students who need to gain meaning from text AND improve reading skills
  - Student who need flexible text – changes in size, rate, contrast, etc
  - Student who need text to speech
  - Students that have difficulty attending to print materials

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••• | **Text-To-Speech Programs**

- WYNN
  - A scan to read program for reading, studying and writing.
- Kurzweil
  - A reading, study skill, and writing program
  
- See also Read:Outloud and Victor Reader Soft from Bookshare.

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••• Talking Word Processors or Text to Speech Programs.....

- o **Write:Outloud** talking word processing program. [www.donjohnston.com](http://www.donjohnston.com) \$\$
- o **NaturalReader** Free text to speech program that converts any written text into spoken words. <http://www.naturalreaders.com/demo.htm>
- o **Microsoft Reader with Speech** Free ebook Reader [www.microsoft.com/reader](http://www.microsoft.com/reader)

• Look at the yellow and tan handouts

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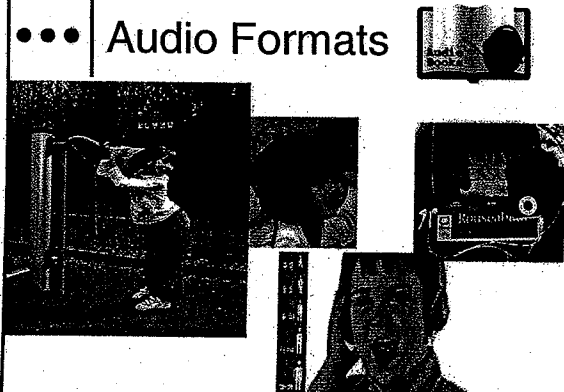
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••• Audio Formats



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••• Audio Formats

- o Reading while listening
- o Listening only
- o Formats:
  - iPod or other MP3 players
  - E-Book Reader



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● ● ● | RFB&D Free Individual Membership- Downloadable DAISY Books

1. Downloadable DAISY books provide:
  1. Instant access
  2. Enhanced navigation, bookmarking and variable speed control.
  3. Play from Windows PC computer with RFB&D enabled software or specialized DAISY players.



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● ● ● | RFB&D Free Individual Membership- DAISY CD

- o 2. DAISY CDs offer enhanced navigation and play on RFB&D DAISY players.



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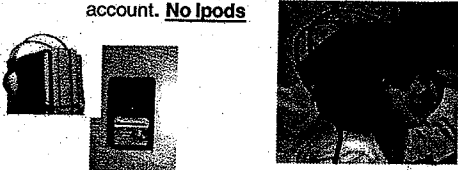
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● ● ● | RFB&D Free Individual Membership- Downloadable books in WMA

- o Windows Media Player version 10 or higher. These books can be loaded to any MP3 players with DRM capabilities. RFB&D's downloadable books are only orderable through your online account. No Ipods



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●●● | **Recording for the Blind and Dyslexic (RFB& D)**

- Application
- <http://www.rfb.org/SiteData/docs/Individual/da76a1be02c0341b/Individual2009.pdf>

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●●● | **Free Text to Audio**

- **Balabolka** A free tts program  
Balabolka is a Russian word, it can be translated as "*chatterer*".  
[www.cross-plus-a.com/balabolka.htm](http://www.cross-plus-a.com/balabolka.htm)
- **Project Gutenberg** is the largest collection of ebook on the internet  
<http://www.gutenberg.org>

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●●● | **Audio Considerations**

- **Who might benefit?**
  - Students who are Blind, VI or for students that are challenged by printed text
  - Students who need to listen in order to keep pace with peers
  - Students who need modified materials without stigma

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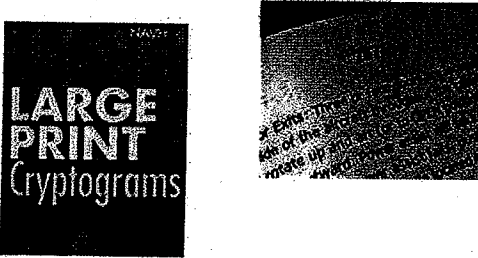
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••• | Large Print



The image shows a book cover on the left with the text 'LARGE PRINT Cryptograms' in large, bold, white letters on a black background. To the right is a close-up photograph of a document with very large, bold, black text on a white background.

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••• | Large Print Considerations

**Who might benefit?**

- Not only students identified as having Vision Impairment
- Reading accuracy was significantly higher with large text over a smaller size in a study of children age five to eleven. .

Hughes, L. E., & Wilkins, A. J. (2000)

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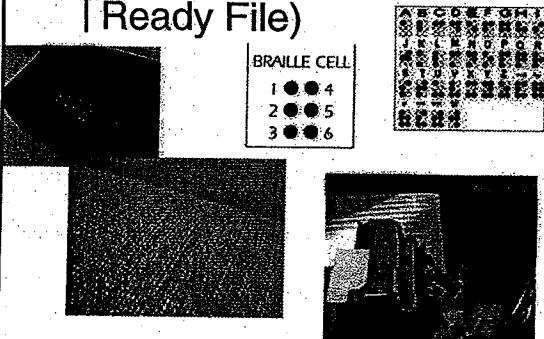
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••• | Braille (BRF Braille Ready File)



The image contains a diagram of a Braille cell with six dots numbered 1 through 6. To the right is a grid of Braille characters. Below the diagram are two photographs: one showing a close-up of Braille on a textured surface, and another showing a person's hands using a Braille device.

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### ●●● Braille (BRF- Braille Ready File)

A data file that can be read on a Braille display or transferred into hard copy Braille.

Allows blind people to read electronic documents.



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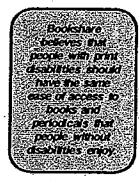
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### ●●● What is Bookshare™?

- Bookshare is an online library of accessible media for readers with print disabilities.
  - Over 90,000 Members
  - Over 8000 schools and other organizations
- Over 68,000 titles
  - Over 1200 NIMAC textbooks
  - Over a thousand new books added every month



Funded by an award from OSEP, the Office of Special Education Programs in the U.S. Department of Education.

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### ●●● Bookshare Eligibility

Any student with a qualified print disability under Chafee, and eligible for copyright waiver  
AND  
is on an IEP or 504 Plan.

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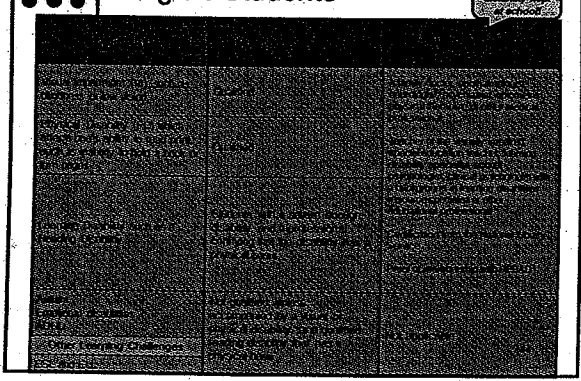
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### ●●● Eligible Students



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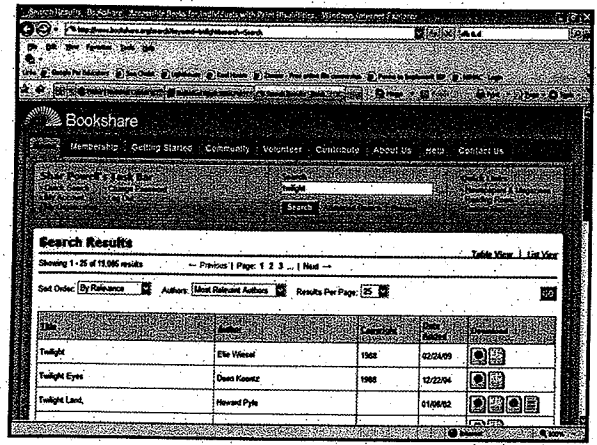
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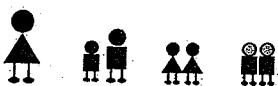
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••• | **Registering for Bookshare.org**

- Create account online
- Agree to Bookshare.org terms
- Provide names of Sponsors and Members

Bookshare.org



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••• | **Commercial Resources**

- o Amazon.com
  - Textbooks
  - Kindle books
- o Audible.com
  - Audio books (mp3)
  - Almost any book club
- o Subscriptions
  - Tumblebooks
  - Accessible Book Collection

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••• | Other Resources

**Talking Books and Braille Service (TBABS)**

- Free library service that provides books to print-disabled <http://www.oregon.gov/OSL/TBABS/>
- [Overdrive School Download Library](#) Delivers audiobook and eBook downloads for students, parents, and educators directly from the school's website.
  
- [Library2go](#) Oregon Digital Library Consortium – [www.library2go.lib.overdrive.com](http://www.library2go.lib.overdrive.com)

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••• | AIM Resources for non-eligible students or ANY Students

- Free
  - Public Domain
  - Free Text to Speech Programs
- Web-based materials
  - Interactive materials found on the web
    - Starfall
    - Text book materials
    - [www.teach-nology.com](http://www.teach-nology.com)
- Teacher-created electronic files
  - Worksheets
  - Tests

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••• | Fair Use and Public Domain

- Portions of a copyrighted work may be reproduced for use in instruction
- A work becomes public domain after 70 years, or whenever the copyright is released by the copyright holder

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••• | Public Domain Sites

- o **Project Gutenberg** is the largest collection of free eBooks. <http://www.gutenberg.org>
- o **The Cranky Librarian** a great resource for complete works from an author [crankylibrarian.com/](http://crankylibrarian.com/)
- o **Knowledge Rush** a catalog of free books available on the internet. [www.knowledgerush.com](http://www.knowledgerush.com)
- o Look at the ebook resource handout yellow and tan

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••• | Resources for Information about AIM

- o CAST National Center on Accessible Instructional Materials: <http://aim.cast.org>
- o National Instructional Materials Access Center (NIMAC): <http://nimac.us/>
- o American Foundation for the Blind, NIMAS Overview: [www.afb.org/Section.asp?SectionID=58&TopicID=255&DocumentID=3139](http://www.afb.org/Section.asp?SectionID=58&TopicID=255&DocumentID=3139)
- o CAST AIM Consortium: <http://aimconsortium.cast.org/>

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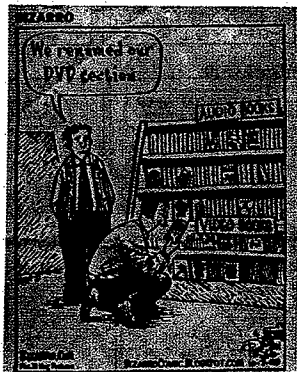
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••• | Questions



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