

HOW CAN E-BOOKS AND AUDIO BOOKS SUPPORT STUDENTS?

Linda Bastiani Wilson, M.A., Ed.

Nena Moore, RFB&D

Linda_B_Wilson@mcpsmd.org

www.montgomeryschoolsmd.org/departments/hiat

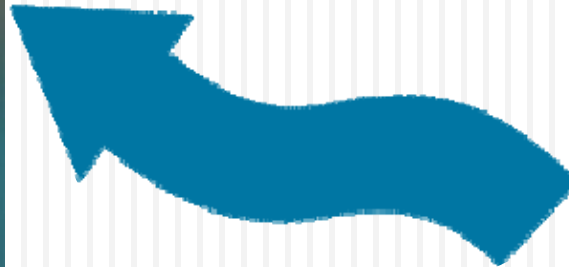
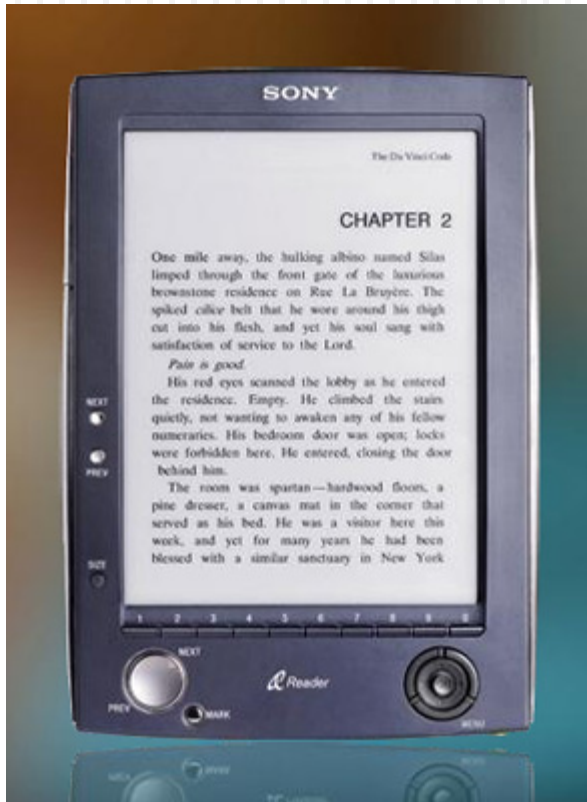


Agenda

- What are e-books and audio books?
- How do they support students in school?
- Where do you get them?
- Bookshare
- RFB&D

What are e-books and audio books?

Examples of E-Books



Kindle

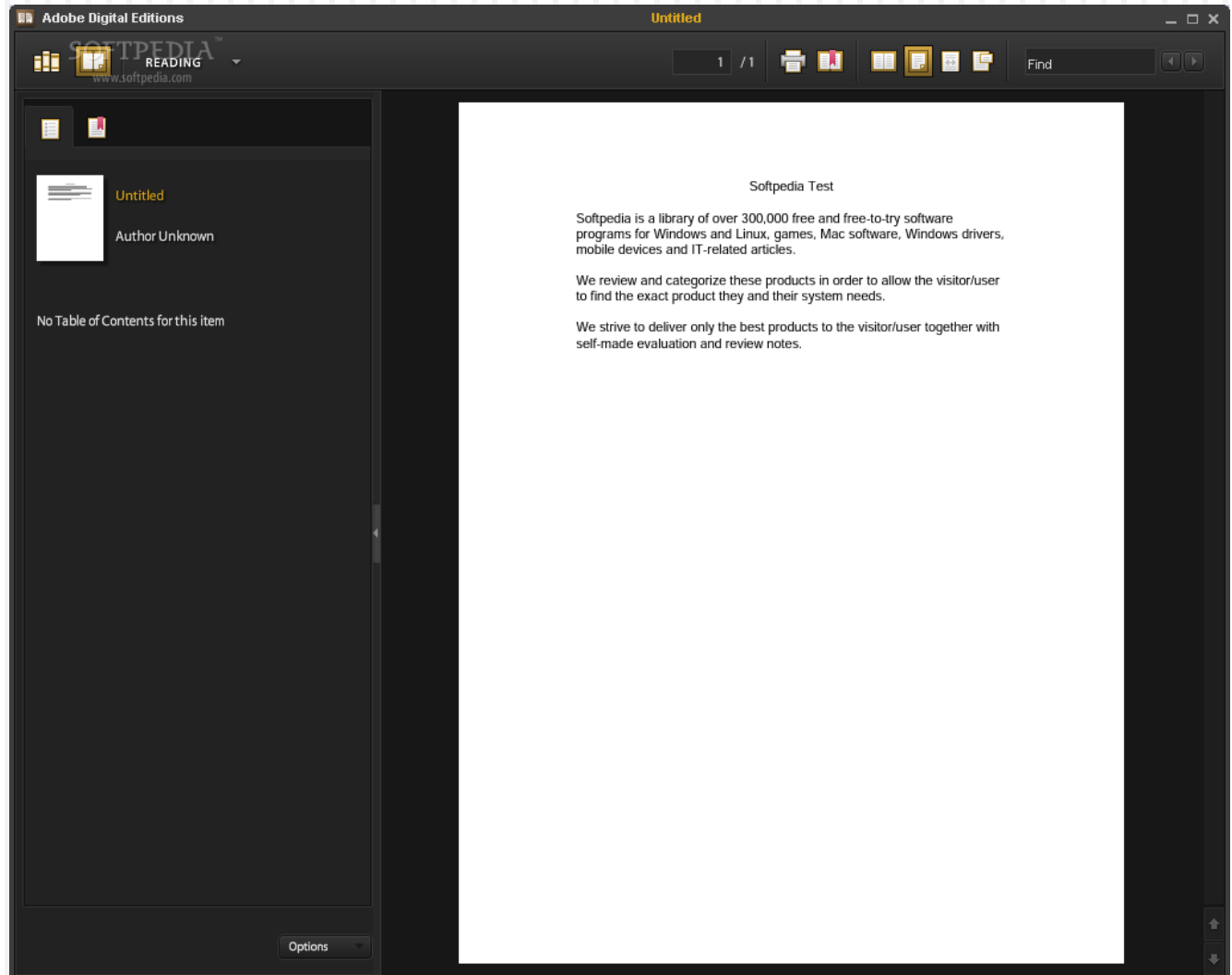


His slow development was combined with a cheeky rebelliousness toward authority, which led

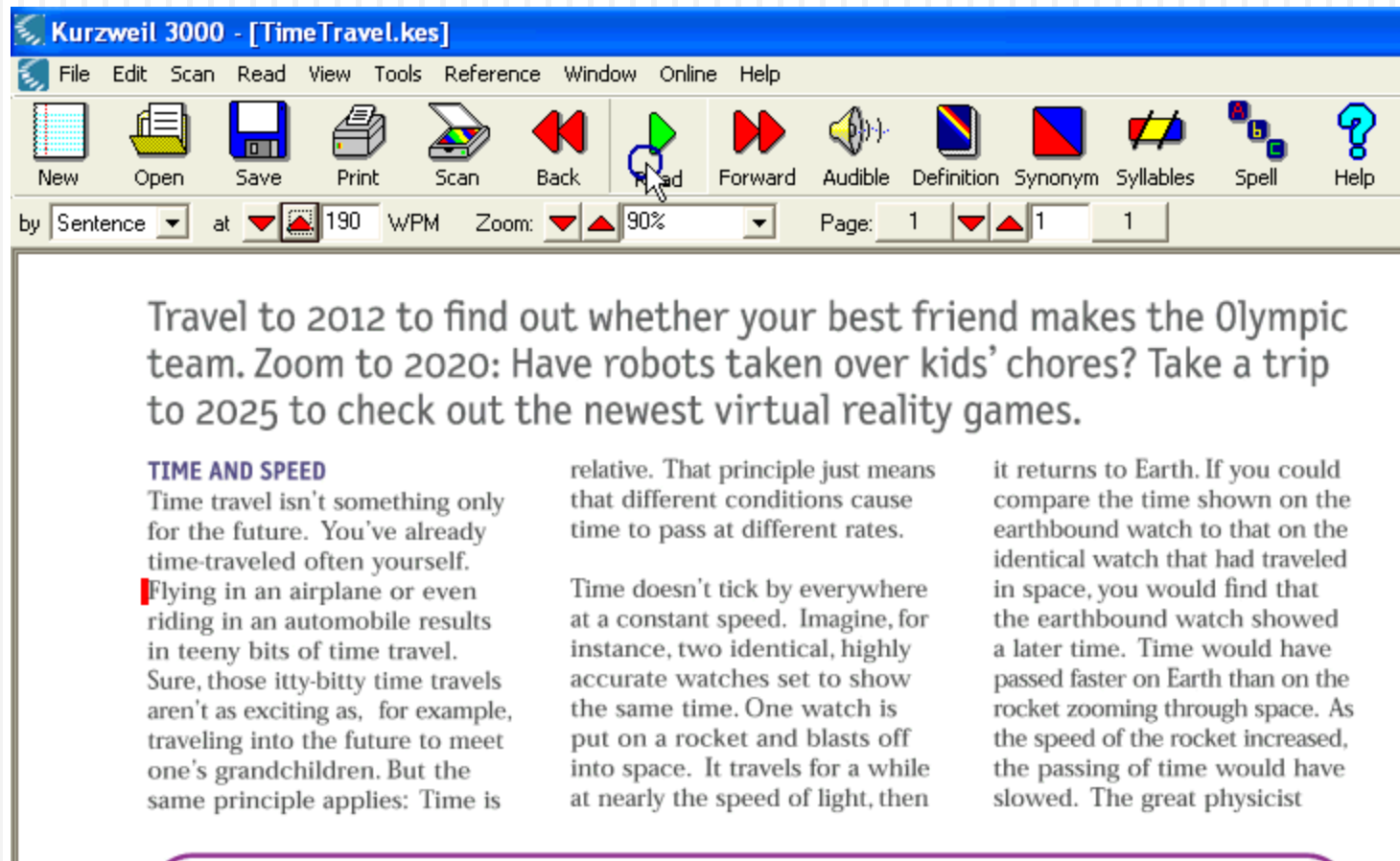
Location #12-18

12/18

Adobe Digital Editions



E-magazine in Kurzweil 3000



Kurzweil 3000 - [TimeTravel.kes]

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by Sentence at 190 WPM Zoom: 90% Page: 1 1 1

Travel to 2012 to find out whether your best friend makes the Olympic team. Zoom to 2020: Have robots taken over kids' chores? Take a trip to 2025 to check out the newest virtual reality games.

TIME AND SPEED

Time travel isn't something only for the future. You've already time-traveled often yourself. Flying in an airplane or even riding in an automobile results in teeny bits of time travel. Sure, those itty-bitty time travels aren't as exciting as, for example, traveling into the future to meet one's grandchildren. But the same principle applies: Time is

relative. That principle just means that different conditions cause time to pass at different rates.

Time doesn't tick by everywhere at a constant speed. Imagine, for instance, two identical, highly accurate watches set to show the same time. One watch is put on a rocket and blasts off into space. It travels for a while at nearly the speed of light, then

it returns to Earth. If you could compare the time shown on the earthbound watch to that on the identical watch that had traveled in space, you would find that the earthbound watch showed a later time. Time would have passed faster on Earth than on the rocket zooming through space. As the speed of the rocket increased, the passing of time would have slowed. The great physicist



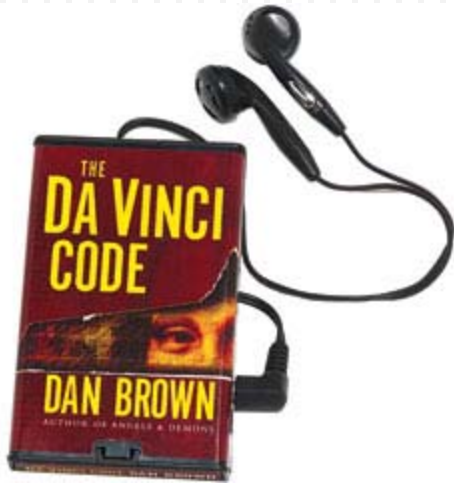
Audio book on CD



An E-book and an audio book on iPod



Playaway digital audio book





How do digital books support students?



E-books support universal design for learning

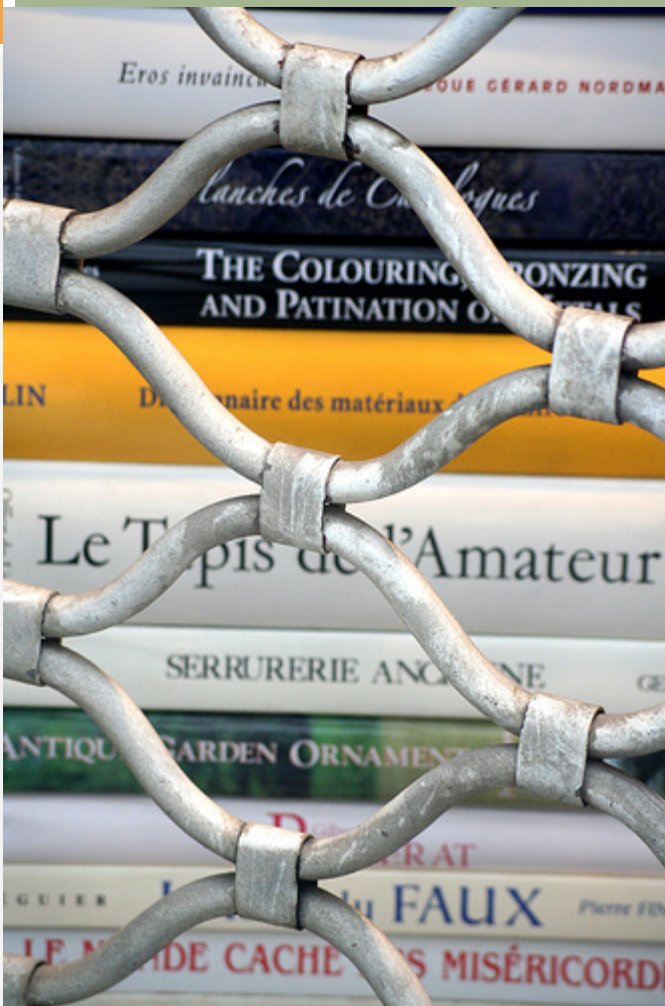




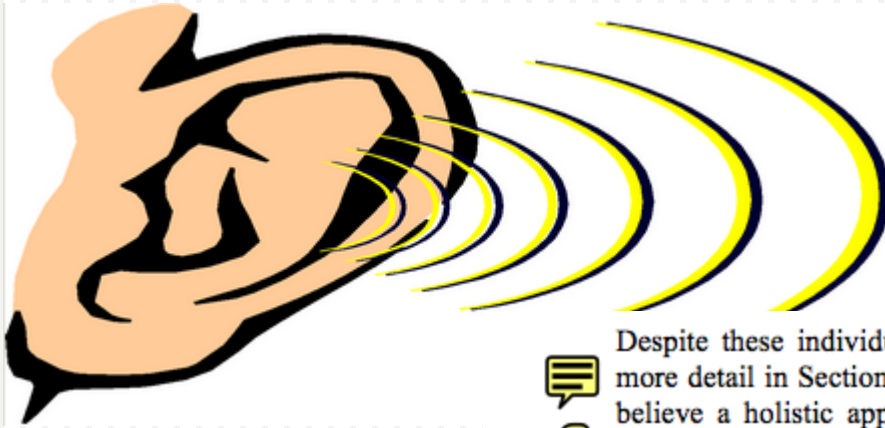
E-books support universal design for learning



Printed text is inflexible



E-books offer choices



hear

think



see



Despite these individual contributions (which we will revisit in more detail in Section 2), to fully understand tagging systems we believe a holistic approach is necessary. Walker [24] describes tagging as “feral hypertext”, a structure out of control, where the same tag is assigned to different resources with different semantic senses, and thus associates otherwise unrelated resources. However, by considering the entire model, computer systems could make inferences that “domesticate” (to use Walker’s terms) these “feral” tags. For example, tag semantics and synonyms could potentially be inferred by analyzing the structure of the social network, and identifying certain portions of the network that use certain tags for the same resource, or related resources, interchangeably. These tags may be synonymous.

A unified user-tag-resource approach might be useful for many key web technologies, including: search and information retrieval; information organization, discovery and communication; spam filtering; reducing effects of link spam, and improving on trust



Decoding is not the only issue

Barriers to comprehension

- Choice of topic
- Lack of background information
- Complexity of the language
- Conceptual level of the language



Tools and Features

Text readers

- Text to Speech (TTS)
- See text highlighted while listening
- Electronic highlighters and annotating tools
- Comprehension supports – dictionary, comments, voice notes

Audio players

- Bookmark locations
- Hear inflection of natural voice
- Speed up and slow down speech
- Chapter and heading navigation



How can I help students?

Teachers

- Provide multiple options for students to access written material
- Explicitly teach students strategies for better comprehension of text using a variety of tools

Parents

- Provide multiple options for access to school work and pleasure reading
- Help your child understand what works best for him/herself
- Help your child advocate for own needs

Administrators

- Provide training on alternate reading formats
- Ensure access to technology in classrooms, not just in labs
- Recognize teachers who have learned to provide these options for students

Where do you get these things?

Audible.com

Audible is the leading provider of downloadable audiobooks.



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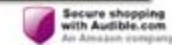
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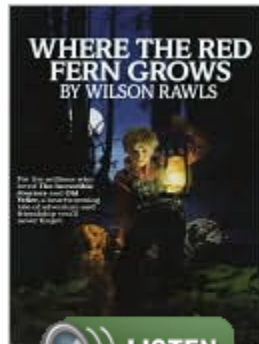


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- The New York Times

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Where the Red Fern Grows

by [Wilson Rawls](#), [Anthony Heald](#) (Narrated by)

DIGITAL MP3 Book - Unabridged > [Learn more](#)

Reader Rating: ★★★★★ (474 ratings)

Detailed Rating:

"Writing" See All ▾

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ISBN-13: 9780553752199

Sales Rank: 50,938

Pub. Date: January 2008

A young boy living in the Ozarks achieves his heart's desire when he becomes the owner of two redbone hounds and teaches them to be champion hunters. [More](#)

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By: [Paulsen, Gary](#)

Published By: Simon & Schuster

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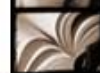
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E-Books

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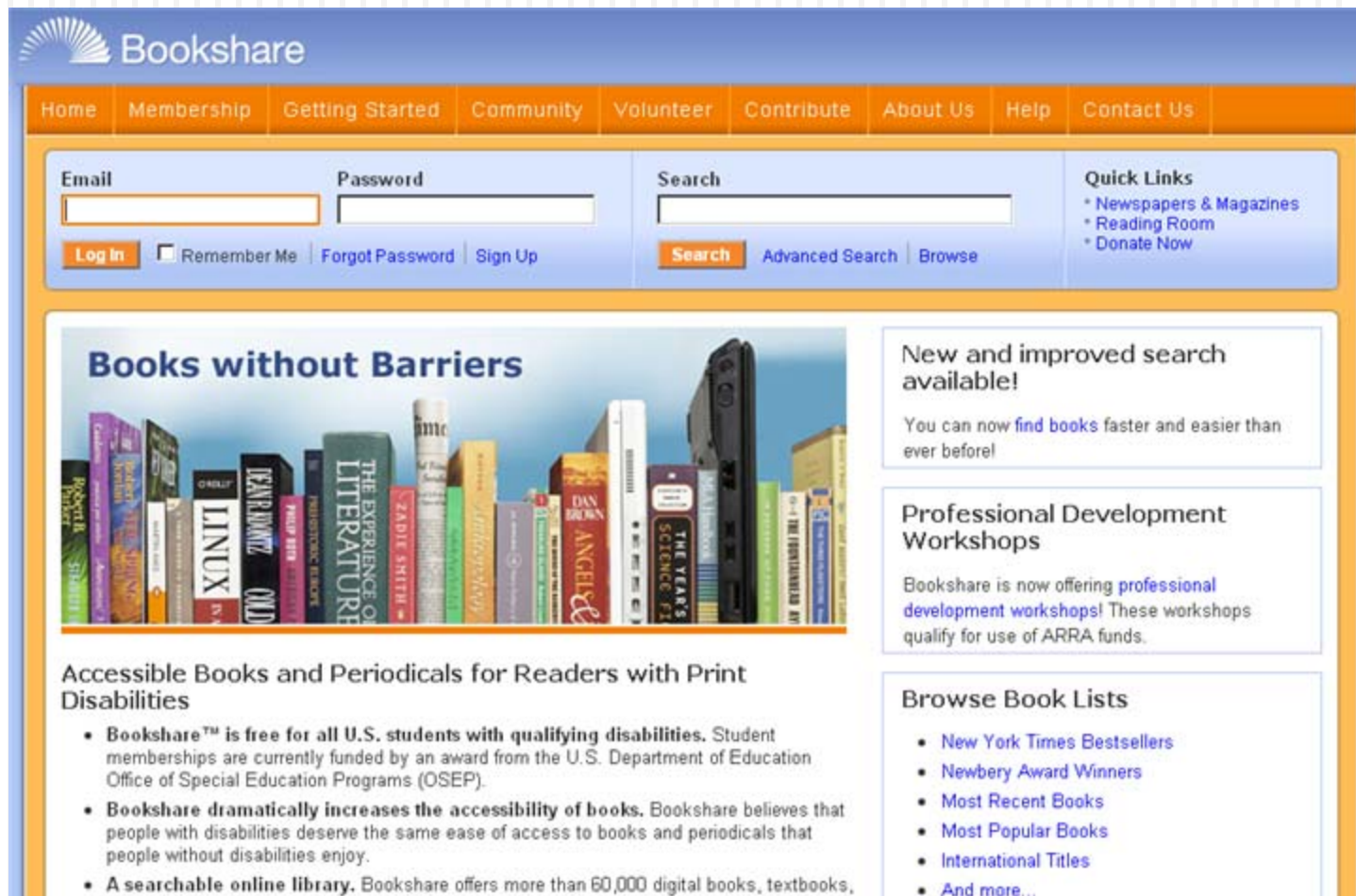
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BookFlix

The screenshot displays the BookFlix website interface. At the top, there are navigation links: HOME, LEARN MORE, SCHOLASTIC, HELP, and RESOURCES. The BookFlix logo is prominently displayed. A 'LESSON PLAN' link is also visible. The main content area features a video player titled 'Now Playing: Too Many Tamales' with a 'Español' language option. The video shows a snowy night scene of a house with the text 'Snow drifted through the streets and now that it was dusk,' overlaid. Below the video is a 'Read Along ON' button. On the left side, there is a vertical menu with options: Start, Watch the Story! (highlighted), Read the Book!, Puzzlers!, Meet the Author, Explore the Web, More, and Celebrations. A small book cover for 'Too Many Tamales' is also visible.

Bookshare.org



The screenshot shows the Bookshare.org website. At the top left is the Bookshare logo, which consists of a stylized sunburst icon followed by the text "Bookshare". Below the logo is a navigation menu with the following items: Home, Membership, Getting Started, Community, Volunteer, Contribute, About Us, Help, and Contact Us. The main content area is divided into several sections. On the left, there is a login section with fields for "Email" and "Password", a "Log In" button, a "Remember Me" checkbox, and links for "Forgot Password" and "Sign Up". To the right of the login section is a search section with a "Search" input field, a "Search" button, and links for "Advanced Search" and "Browse". Further right is a "Quick Links" section with three items: "Newspapers & Magazines", "Reading Room", and "Donate Now". Below the navigation menu is a large banner for "Books without Barriers" featuring a row of various books and a tablet. To the right of the banner are three promotional boxes. The first box is titled "New and improved search available!" and states "You can now find books faster and easier than ever before!". The second box is titled "Professional Development Workshops" and states "Bookshare is now offering professional development workshops! These workshops qualify for use of ARRA funds.". The third box is titled "Browse Book Lists" and contains a list of links: "New York Times Bestsellers", "Newbery Award Winners", "Most Recent Books", "Most Popular Books", "International Titles", and "And more...". Below the banner is a section titled "Accessible Books and Periodicals for Readers with Print Disabilities" with three bullet points: "Bookshare™ is free for all U.S. students with qualifying disabilities. Student memberships are currently funded by an award from the U.S. Department of Education Office of Special Education Programs (OSEP).", "Bookshare dramatically increases the accessibility of books. Bookshare believes that people with disabilities deserve the same ease of access to books and periodicals that people without disabilities enjoy.", and "A searchable online library. Bookshare offers more than 60,000 digital books, textbooks,

Who Qualifies (Print Disabilities)?

Disability	Qualified/Not Qualified
Visual Impairment (VI), such as blind or low vision	Qualified
Physical Disability (PD) which affects one's ability to read print, such as inability to hold a book or turn pages	Qualified
<ul style="list-style-type: none">• Learning Disability• Reading Disability	Students with a severe enough disability, and a professional certifying that the disability has a physical basis
<ul style="list-style-type: none">• Autism• Emotional disabilities• ADHD• ESL and ELL	Not qualified unless accompanied by a visual or physical disability, or a qualified reading disability that has a physical basis



For Qualified Members

- Quickly growing library – thousands of books
 - School
 - Pleasure reading
 - Magazines and newspapers
- Textbooks being added
- Formats
 - DAISY format – for text readers
 - BRF format – for Braille
- Text readers – two available as free download
- No pictures (or not many yet)



Using Bookshare

Schools

- *Organizational Membership*
- Staff can download books on behalf of eligible students
- Use Kurzweil or Natural Reader in school
- All schools should sign up

Students

- *Individual Membership*
- Eligibility through school carries over – or get your own professional to certify
- Student has own login
- Use Read:OutLoud, Victor Reader Soft, or any text reader software

- \$Free for all eligible US students
- Academic and pleasure reading



Accessible Book Collection

Providing Digital Text to Persons with Disabilities

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- PreK-middle school
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-Kara

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For Qualified Members

- Books read by volunteers
- Textbooks available
- Formats
 - ▣ Audio downloads to your computer
 - ▣ Audio CDs sent in the mail
- Players
 - ▣ Like a CD walkman
 - ▣ Box with speakers and big buttons
 - ▣ Bookmarking
 - ▣ Change playback speed






Using RFB&D

- Must use a special player to listen
 - Books recorded by volunteers
 - Text books available
- Members can request books to be added to library

Schools

- *Organizational* Membership
- Subscription price includes a package of books
- Staff can order books on behalf of eligible students

Students

- *Individual* Membership
 - Currently free to students
 - Financial assistance is available for the purchase of a player
- 

Where to get e-books

Students with Print Disabilities

Bookshare

RFB&D

Accessible
Book
Collection

Students with IEPs

Books
converted
to other
formats by
teachers
or parents

ALL students

E-books purchased

Public domain e-
books

Resource List

- HIAT – montgomeryschoolsmd.org/departments/hiat
 - Educational Websites for e-text sites
 - FAQ on text readers, Bookshare
 - Parent Page
- Montgomery County Public Library e-Library
montgomerycountymd.libguides.com/content.php?pid=38466&sid=282449
- Bookshare – www.bookshare.org
- RFB&D – www.rfbd.org
- Kurzweil – www.kurzweiledu.com/default.aspx
- Blio – <http://blioreader.com/>
- Natural Reader – www.naturalreaders.com/

Reading and Listening List

- What is Bookshare (from the HIAT website)

montgomeryschoolsmd.org/departments/hiat/resources/bookshare.shtm

- LD OnLine :: An Educator's Guide to Making Textbooks Accessible and Usable for Students with Learning Disabilities

www.ldonline.org/article/16310

- Aldoblog – detailed information about audiobooks formats and sources

aldoblog.com/audiobooks/sources/

- Kojo Show – two recent shows about audio books

thekojonnamdishow.org/shows/2009-12-22/audio-books

thekojonnamdishow.org/off-mic/2009-12-21/tech-toys-and-audio-books

- Blog post describing Playaway audio books

www.ohgizmo.com/2007/05/28/ohgizmo-review-playaway-digital-audiobook-player/