

**APH Products and Services
for the
Assistive Technology
Industry Association
(ATIA)
2023 Conference**



AMERICAN
PRINTING
HOUSE 

Braille Solutions

Introducing Monarch™

APH and HumanWare have partnered to develop the Monarch, formally referred to as the DTD, a self-contained standalone tactile tablet capable of running a multitude of apps optimized for enhancing the efficiency of a blind or low vision user. This device will also be capable of rendering multiple lines of braille and tactile graphics on the same tactile surface, which in turn will skyrocket braille literacy, efficiency, and accessibility. This tool will help level the playing field for students, enabling them to receive braille instructional materials at the touch of a download button instead of waiting weeks or months for embossed braille textbooks to be transcribed and shipped. To receive the latest announcements regarding APH's Dynamic Tactile Device, please sign up for our [Mailing List](#).

In addition to running its own apps, APH and HumanWare will be working with strategic partners to utilize an SDK being developed, beginning in 2024 to create apps and experiences we haven't yet thought of. If your organization is interested in developing for this exciting tool, please contact the team at DTD@aph.org.

Polly - Coming 2023

Created in partnership with ThinkerBell Labs, Polly is an electronic Wi-Fi enabled braille learning device that teaches reading, typing, writing, vocabulary, and spelling in both contracted and uncontracted braille.



Braille Solutions

This device includes a Perkins-style keyboard, an electronic slate, a speaker for instruction and feedback, and an online teacher portal that allows remote access and progress monitoring for educators/parents. Stay in the loop about all things Polly, by joining our [Wait List](#) - be the first to know when Polly is available for purchase!

Mantis™ Q40

No longer choose between a keyboard or a braille display! The [Mantis Q40](#) has a refreshable braille display of 40-cells below its full QWERTY keyboard, providing the convenience of a keyboard with the precision of braille. Connect other devices via USB or Bluetooth®, or use the Mantis by itself to read books, edit and manage files, check the date and time, and make basic mathematical calculations.

Chameleon™ 20

Developed specifically for education, with students in mind, the [Chameleon 20's](#) 20-cell refreshable braille display and Perkins-style keyboard provides a comfortable reading and writing experience. Use as a stand-alone notetaker, or as a braille display to edit assignments on the computer. 2.0 Software Update includes text-to-speech (TTS) in English and Spanish!

View our [Refreshable Braille Comparison Chart](#) to find out which refreshable braille display is right for you.

Accessible STEM

Code Jumper™

Originally designed by Microsoft® and developed by APH, [Code Jumper](#) teaches computer coding and programming skills through a unique, physical system. Code Jumper technology takes block coding off the screen and puts it on the table in front of you, making it accessible and fun for the whole class. Brightly colored plastic pods with oversized buttons and knobs are connected by “jumper cables” (thick cords) to physically create computer code that can tell stories, music, and even crack jokes.

Code Jumper gets eight new, “choose your own adventure” type puzzles! Join CJ, a cat-like alien, as they adventure across these exciting puzzles to learn more about Earth. The adventures incorporate coding activities such as: algorithms, loops, sequences, constants, and more. Download [Code Jumper Puzzles for free!](#)

Accessible Code & Go® Mouse

The [Accessible Code & Go Mouse](#) provides a hands-on introduction to coding concepts and tactile graphics as students program Colby the mouse to race through the maze toward the cheese. Students will learn problem-solving, critical thinking, if-then logic, O&M skills, route planning, and much more.

RC Snap Rover

The [RC Snap Rover Access Kit](#) is an innovative tool that provides hands-on electronics education for students. Snap together colorful Snap Circuits® parts to build an RC Snap Rover that can zoom across any surface with the included wireless remote control.

Accessible STEM

Submersible Audio Light Sensor (SALS)

This device makes science activities more accessible than ever! [SALS](#) has a plastic-covered glass tube with a rectangular box on one end. The tip of the glass tube detects light, and the box converts light to a tone and sends the signal to an app (compatible with an iOS® or Android® device and MATT Connect™). Changes in tone notify the user that a chemical reaction has taken place or can help them identify objects of different colors or shades of gray.

Build-A-Cell

While all cells share certain structural parts, cells of different evolutionary origins have components that set them apart from each other. [Build-A-Cell](#) helps students who are blind or low vision understand the fundamental characteristics of, and differences between, various cell types by providing a full color, tactile, and interactive representation of the internal and external structures of bacterial, animal and plant cells.

Graph Benders

Create/plot graphs and diagrams/charts that are tactile, visual, and durable! [Graph Benders](#)' flexible strips and point symbols (triangles, circles, squares) can be applied directly to paper and are an excellent way for students to demonstrate their mastery of math or science concepts.

Are you interested in learning, discussing, and sharing ideas related to science, technology, engineering, and math? If so, please scan the QR code below which will redirect you to the APH Conferences page. Under the ATiA section, you will be able to join our STEM Community list.



Magnify Your World

Juno

The [Juno](#) is a great magnifying solution for use during work and recreational activities. Juno can capture and process multiple pages of printed text using Optical Character Recognition (OCR), giving users the option to read the document themselves on a 7-inch LCD touchscreen or have the text spoken aloud using text-to-speech (TTS). Plus, Juno's 180-degree rotating barrel camera supports four camera modes (self-view, reading-view, distance-view, and writing/hobby-view), enabling users to complete grooming tasks, view documents, read a bulletin board, fill out a form, sew, and much more!



Other Showcase Products

CVI Companion Guide

Designed to assist professionals and parents, the [CVI Companion Guide](#) provides information on recent research surrounding the impact of brain injury on vision and its implications on social and emotional needs of children with CVI. This text also delves into documenting a child's current level of functioning with their CVI diagnosis and organizing a plan to work on skills needed to function in everyday activities.

APH Press

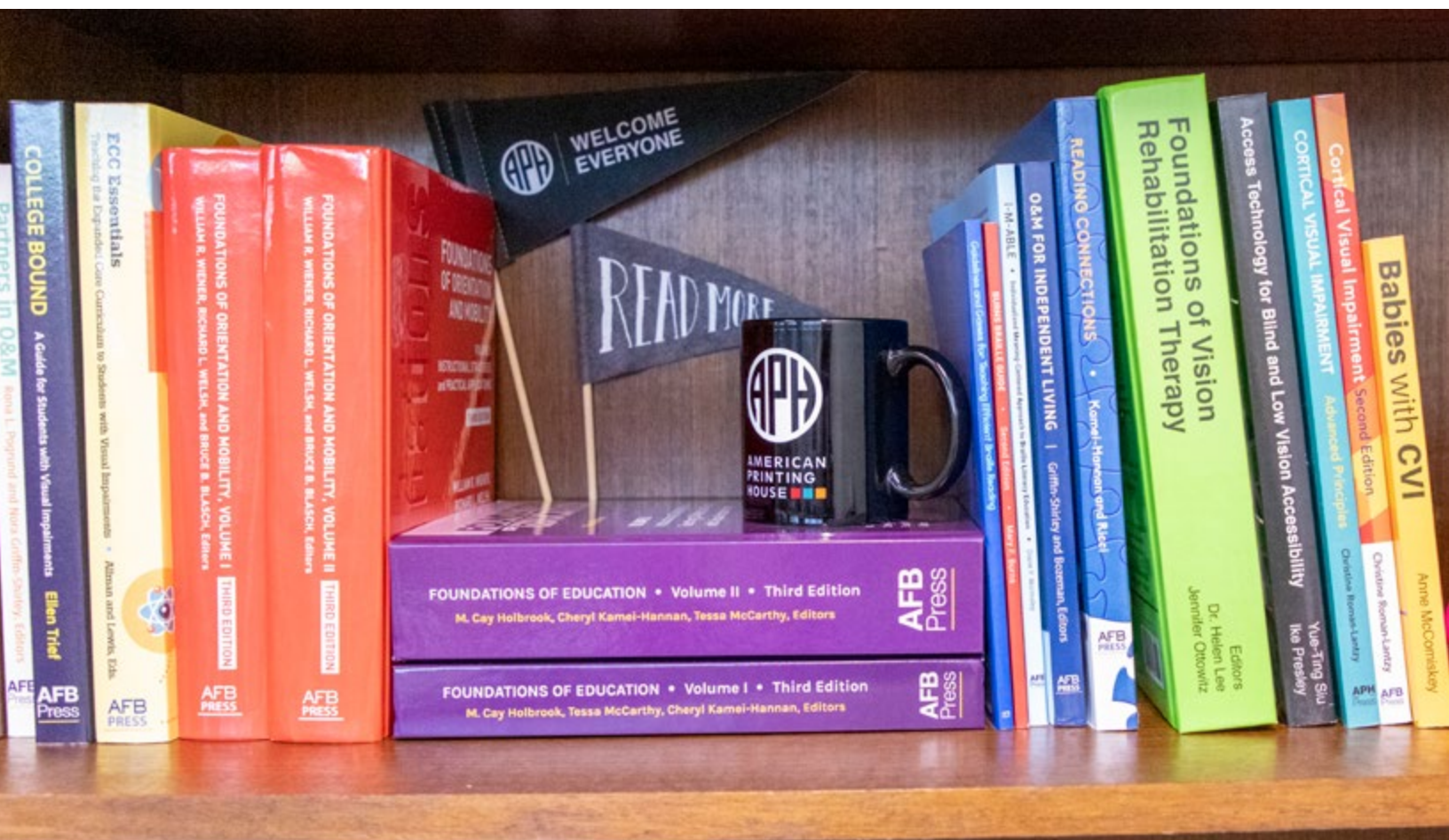
American Printing House for the Blind

The [APH Press](#) carries on the legacy of AFB Press as the leading publisher in the field of blindness and visual impairment. APH Press publishes educational content, including textbooks for teacher preparatory programs, in the field of blindness and visual impairment to support teachers, families, and other professionals. Recent releases include:

- [Access Technology for Blind and Low Vision Accessibility](#) emphasizes opportunities for independence, leadership, and timely access to information for people who are blind or low vision. Access Technology is a follow-up to the 2008 edition edition that gives an overview of currently available technologies and tools and presents a new process for technology evaluation that ensures every student is supported to build the toolbox they need to break down barriers to access. Rather than using pre-determined checklists to evaluate technology skills, authors Yue-Ting Siu and Ike Presley present an inquiry-based approach for identifying needs related to individual instruction, advocacy for accessible formats, and how to achieve equity in information-rich environments.

Other Showcase Products

- [CVI Advanced Principles](#) is the companion book to [Cortical Visual Impairment: An Approach to Assessment and Intervention](#), and makes new strides in building knowledge about CVI. Cortical Visual Impairment: Advanced Principles, a collaboration among experts in several disciplines, dives deeper into topics that are extensions of the original concepts and offers an examination of the needs of students and individuals with CVI in areas such as literacy, social skills, and O&M, while also addressing the demands of students with CVI and other disabilities, such as complex communication needs and hearing loss. The authors consider students with CVI in the context of their entire day to see how the tasks they perform, the interactions they have, and the environments they encounter can be evaluated and adapted to help them build their visual skills and experience success.



Services/Resources



Welcome to the [APH ConnectCenter](#)! This website offers FREE curated advice and resources to assist children, parents, adults, and job seekers who are blind or low vision, and their associated professionals. Through this website, you are able to access these ConnectCenter resources and much more:

- [FamilyConnect](#): Offers support and resources for families of children who are blind or low vision.
- [CareerConnect](#): Employment information, tools, and guidance for job seekers who are blind or low vision.
- [VisionAware](#): Designed for adults and seniors who are living with vision loss.
- ConnectCalendar: For use by the entire blindness field to find and promote events, all in one place. [Promote and share](#) your organization's event by adding it to the Calendar or [discover upcoming events](#).
- [APH ConnectCenter Transition Hub](#): Planning for graduation and life after school brings up a lot of questions. Find information about transition programs that emphasize empowerment, career exploration, and work experiences for teens and young adults who are blind or low vision.

Have questions related to blindness or vision loss? Call APH's Information & Referral Hotline: (800) 232-5463 or e-mail us at connectcenter@aph.org.



Services/Resources

APH Hive

Buzz over to the [APH Hive](#), APH's FREE eLearning platform for educators and families that can be accessed at any time from the comfort of your home or office. With a growing course catalog covering categories like Early Childhood, Expanded Core Curriculum, and more, we want to give you the tools you need to support students. All you have to do is sign up, watch the course content at your leisure, and complete the follow up assignment to get your certificate for ACVREP credit! [Register and get started today.](#)

Outreach Services

[APH's Outreach Services](#) team strives to increase awareness about the many resources and services offered by APH. These include, but are not limited to, the following: distance learning and statewide/nationwide training opportunities; exhibits and presentations at regional, statewide, and national conferences; expanded core curriculum academies/professional learning communities, and parent and family training opportunities. Outreach Services consists of three branches:

- Outreach Specialists for regional support.
- APH Hive for professional development.
- Census for the federal quota program.

APH continues to expand its reach through our strategically placed Regional Specialists. Regional Specialists meet the unique needs of EOTs, professionals, families, and other service providers working with students who are blind or low vision by providing tailored support to communities. These experienced professionals are charged with sharing craft knowledge across the field, building local networks of support, assisting with APH products and services, and facilitating solutions. Regional Specialists are available to provide support at conferences, regional Braille Challenges, colleges/universities, public and private schools, rehabilitation centers and more.

Services/Resources

As part of APH's ongoing goal to provide regional support, we are working towards establishing regional centers for assistive technology training. The first established regional partnership, the Center for Assistive Technology Training (CATT), is a collaboration between APH and the Alabama Institute for the Deaf and Blind (AIDB). Our team is here to build, train, and support our field and all those working for our students' success.

Contact us at outreach@aph.org.

Center for Assistive Technology Training (CATT)

[CATT](#) is a collaboration between the American Printing House for the Blind (APH) and organizations that serve children who are blind or low vision. Our mission is to provide assistive technology training to teachers of the visually impaired, utilizing a "train the trainer" model, while also providing training for students and families. Devices are provided through APH and training in our Southeast Region is provided by trainers employed by the Alabama Institute for the Deaf and Blind (AIDB) serving a nine-state region: Alabama, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, and Tennessee, as well as Puerto Rico and the American Virgin Islands. For more information or to schedule a training, please email CATT@aidb.org.

Watch for more information about two new CATT partnerships in APH's Northwest and Southwest Regions!

CATT



CENTER FOR ASSISTIVE TECHNOLOGY TRAINING



Thank You for Supporting APH

As a not-for-profit, 501(c)(3) organization, APH values our thoughtful, informed donors who ensure that we are able to serve a growing population of people of all ages who are blind or low vision – across the nation and around the world. Our programs, initiatives, services, and products empower people with vision loss to live as independently as possible. Your contribution makes that happen. You are a part of the APH community – and we are truly grateful for your partnership. Please donate at bit.ly/donateaph or contact the APH Development Department by phone at 502-899-2291 or email at development@aph.org.

American Printing House for the Blind, Inc.
1839 Frankfort Ave. • Louisville, KY 40206
502-895-2405 • 800-223-1839 • aph.org