

**APH Products and Services  
for the**

**Assistive Technology  
Industry Association  
(ATIA)**

**2024 Conference**



**AMERICAN  
PRINTING  
HOUSE** 

# Access Technology

## Monarch™

APH, HumanWare, and NFB 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 Monarch, 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](mailto:DTD@aph.org).



# Access Technology

## 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!

## 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!

## 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.

# Tactile Literacy and Accessible STEM

## 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.

## 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!](#)

## Life Science Tactile Graphics

A collection of 56 vacuum-formed, full-color raised-line [tactile graphics](#) that depict organisms, processes, concepts, and patterns typically covered in middle-and high school life science courses.

## Snap Circuits® Jr. 130 Access Kit

Learning basic electronic concepts is a snap with the [Snap Circuits Jr. Access Kit](#) — an accessible version of the popular educational toy, available exclusively from APH. Now students who are blind or visually impaired can learn about circuits, currents, resistance, switches, motors, and other basic electronics concepts alongside their sighted peers, preparing them for STEM career opportunities in the future.



# Tactile Literacy and Accessible STEM

## SPORTS COURTS

The [SPORTS COURTS](#) kit helps students who are blind or low vision familiarize themselves with the layout of various sports courts and fields, including Baseball, Basketball, Bowling, Football, Goalball, Lacrosse, Soccer, Swimming, Tennis, Volleyball, and more through tactile maps and interactive 3D pieces. The 18 chapter-booklets detail specific recommendations for sport instruction, equipment modifications, and gameplay accommodations.

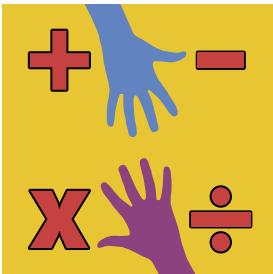




# Apps and Games

## Mobile/Desktop Apps, Skills/Actions

Enjoy hours of fun and learning with APH's variety of [FREE apps](#) for desktop, Chromebook, and mobile devices. Amazon Alexa® users can also join the party by trying out these [APH skills and actions](#).



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 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.
- [Babies with CVI: Nurturing Visual Abilities and Development in Early Childhood](#) presents specific approaches, strategies, and activity suggestions that families and visual impairment professionals can use to meet the unique learning needs of a child with CVI. This guide includes the history and best practices related to the treatment of CVI in children from birth to 36 months.
- [Guidelines and Games for Teaching Efficient Braille Reading](#) is based on research in the areas of rapid reading and precision teaching. This second edition offers unique ideas for adapting a general reading program to the needs of braille readers. This book has been updated to reflect advances in technology that have made braille more accessible in a digital format, such as refreshable braille devices, digital notetakers, and translation software.

**Braille Brain**



**FREE, self-paced  
online braille  
tutorials!**



**SCAN ME**



# APH Services/Resources



## CONNECTCENTER

Connecting the vision loss community to a world of 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](#): Find support and resources for families of children who are blind or low vision.
- [CareerConnect](#): Find employment information, tools, and guidance for job seekers who are blind or low vision or for employers who work with individuals 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](mailto:connectcenter@aph.org).

# APH 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.



# APH Services/Resources

## APH Accessible Tests and Textbooks

To best serve our customers, the [Accessible Tests & Textbooks Department](#) offers a wide range of services. APH responds to the textbook needs of students who are blind or low vision by delivering custom-produced accessible textbooks in a variety of media in a timely manner. Accessible Textbooks staff process all-new textbook orders. Additionally, APH is prepared to assist with all phases of test accessibility, from item development and bias review through production, shipping, and product support. Tests offered through this department can be ordered in hard copy braille, large print, and in digital formats. Accessible Tests also reviews online testing for accessibility to ensure all tests are accessible for all customers.



## 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](https://bit.ly/donateaph) or contact the APH Development Department by phone at 502-899-2351 or email at [development@aph.org](mailto:development@aph.org).

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