YOUR YEAR IN TECH

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WHY TALK TECH TRENDS?
WARM-UP: KILL A TREND!!!
The latest Pew Research Center report on libraries came out in September. Here are some interesting stats on public opinion about digital literacy skills and technology:

“When asked to think about how libraries might change to better serve the public, Americans have a pretty clear message: help people learn digital skills without neglecting traditional functions. Specifically:

- 80% of those ages 16 and older say libraries should “definitely” offer programs to teach people, including kids and senior citizens, how to use digital tools like computers and smartphones. This is a similar pattern captured in a 2015 survey.

- 57% think libraries should “definitely” have more comfortable spaces for reading and working. This is down slightly from the 64% who said this in 2015.

- 50% believe libraries should “definitely” buy 3-D printers and other digital tools to allow people to use them. This compares with 45% who said this in 2015.

- 24% say libraries should “definitely” move some print books and stacks out of public locations in order to free up more space for such things as tech centers, reading rooms and meeting rooms. This is a decrease from the 30% who said this in 2015.”

Read the full report: http://www.pewinternet.org/2016/09/09/libraries-2016/
LET’S CHAT ABOUT DEVICES
REALITY, VIRTUAL
REALITY, AUGMENTED

Pokemon Science

Come see Hooked on Science's latest program! Create a Pikachu lightning bolt, shot fireballs like Charizard, discover how Hoppip is easily lifted off the ground, make Gastly appear, and more.

Saturday, August 27
2:30 – 3:30 PM
Marshall County Public Library @Benton

Image source: @MarshallCPL

LFPL @LFPL - Jul 18
These guys are already psyched for #AnimeCon13! Don’t forget to tag us when you find #Pokemon around the Library.

Image source: @LFPL
THE NEXT BIG AUGMENTED REALITY GAME?

Image source: Delta T website
ATTACK OF THE DRONES
RESPONSIVE DESIGN

Image source: Responsive Design.is
20% of households connect to the internet solely through mobile devices according to a study by the National Telecommunications and Information Administration (NTIA)


Why does this matter to Kentucky libraries?
- In a survey from 2015, only 21% of Kentucky library websites employed responsive design.
More public libraries are loaning mobile Wi-Fi hotspots to patrons.

Portable—can be used at home, on the bus, in the park, or anywhere the carrier’s cellular network reaches.
Grants have helped large systems roll out thousands of units to patrons.

- Knight News Challenge
- Google
- Mobile Beacon

Image source: New York Public Library via American Libraries
ADDRESSING THE DIGITAL DIVIDE
DIGITAL INCLUSION

- ConnectHome – HUD bringing broadband to more low-income housing
- Expansion of FCC’s Lifeline program to include home broadband
GO GIGABIT OR GO HOME

Image Source: Charlotte Mecklenburg Library

Kentuckyvired

INTERNET®
INTERNET OF THINGS (IoT)

Image sources (clockwise): Nest, Library Journal, Breezometer, Business Weekly
Newport to be first smart city in Midwest

Image source: UrbanUp
THE MR. ROBOT EFFECT?
DC Public Library teaching courses on patron privacy

Image source: @torproject
LIBRARIES ON TOR?

Background image of Tor ‘onion’ routing: The Hacker News; foreground image of Kilton Library in Lebanon, NH: Library Freedom Project.
AUTOMATION + CATALOGING
BIBFRAME AND LIBRARY.LINK

- **BIBFRAME = Bibliographic Framework Initiative**
  - Library of Congress working with management company Zepheira to develop an initiative to evolve bibliographic description standards to a linked data model, in order to make bibliographic information more useful both within and outside the library community.

- **Why does this matter?** Making libraries ‘findable’ on the web

![Diagram](image)
The Future of Libraries is Open
STE(A)M-POWERED
MAKERS ON THE MOVE

Bullitt County Public Library’s traveling makerspace
Image source: @BCPLib

Bullitt Co. Library @BCPLib · Aug 20
Drop in BCPL’s traveling makerspace today from 11am-2pm at Hillview Library. #nerdheaven #steamplay
3D PRINTING

Wheelchair racer printing specialty glove parts at Jessamine County Public Library
Image source: Lexington Herald-Leader

3D printing of cell phone holders
Image source: Warren County Public Library Facebook
Writing with Dash robot during Maker Mondays at Henry County Public Library

Image source: Henry County Public Library Facebook
THE ROBOTS ARE COMING!

Meet Pepper, the Friendly Humanoid Robot

Image source: IEEE Spectrum YouTube
RASPBERRY PI + ARDUINO

Catalog terminal running off Raspberry Pi in Palo Verdes Library System (CA)
Image source: Hackaday

Light circuit created with Arduino
Image source: Chattanooga Public Library
YOUR TURN

What are your patrons asking about?
What kind of tech training do you need?
WRAP-UP
For Public Library Technology Support Staff:

• KYTECH is a discussion list devoted to those who work with technology for their library. By using this LISTSERV®, individuals from around the state will have the chance to ask questions, share ideas, voice concerns, and make valuable contacts all through their e-mail.
  • TO SUBSCRIBE: Send a blank message to: join-kytech@listserv.ky.gov

• See the KDLA website for more information on our many listservs – for youth services, adult services, bookmobile/outreach, & more!
  • http://kdla.ky.gov/librarians/staffdevelopment/Pages/listservs.aspx
THANKS 😊

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