**Webinar**

Emerging Technology Trends and the Library: The Future is Now

**April 27, 2016**

**Start time:**
- 2:00 p.m. ET
- 1:00 p.m. CT
- 12:00 p.m. MT
- 11:00 a.m. PT

**End time:**
- 3:00 p.m. ET
- 2:00 p.m. CT
- 1:00 p.m. MT
- 12:00 p.m. PT

**Presenter**
Holly Klingler
Tech Crusader
Northeast Ohio Regional Library System (NEO-RLS)
holly.klingler@neo-rls.org

**Moderator**
Janet Nelson
Director of Library Engagement and Solutions
Demco, Inc.
janetn@demco.com
EMERGING TECHNOLOGY TRENDS AND THE LIBRARY

THE FUTURE IS NOW!

Holly Klingler, M.A., M.L.I.S.
Today’s Objectives

- Learn about emerging tech trends growing rapidly
- Discover cost effective ways to get this new tech into your library today!
- Get patrons and staff comfortable and even excited for learning tech!
Tech Trends on the Rise!

What are some emerging tech trends or gadgets you are excited to learn about, see or try out?
“Not only is CES a useful tool for your library’s own technology planning, but it can also help inform staff training. After all, those shiny new tablets and smartphones might be making their way to your reference desk in a few months.”
CREATE AN IMMERSIVE EXPERIENCE!

VIRTUAL REALITY AND NEAR-VIRTUAL REALITY HEADSETS
Virtual Reality Trends

**Oculus Rift**
- Tethered to computer (usually wired)

**Samsung Gear VR**
- Utilizes mobile device (usually wireless)
Making VR More Immersive

HTC Vive

rinktech.co

Virtuix Omni
VR For ANY Experience

NASA Tour on Mars

KIA Autonomous VR Tour
Near-VR Experience

Avegant Glyph

Royole-X
GET E-HEALTHY!
SMART DEVICES TO TRACK YOUR WELL-BEING
Wearable and E-Health Trends

- More robust and comprehensive data
- Health beyond fitness
- More fashionable
- Less expensive
- Not just for your wrist
- Connecting all health devices
**Bragi Dash**

- Full and rich sound with Knowles® Balanced Armature Speakers
- Truly wireless
- Music playback from The Dash™
- Music playback from phone ™
- Track your performance
- Measure your body vitals
- Real time acoustic feedback
- Waterproof up to 1m
- Intuitive touch controls
- Works as a Bluetooth headset ™
- EarBone microphone
- Hear nothing – passive noise isolation
- Hear everything – audio transparency
- 4 sizes FitSleeves for PerfectFit
- The Charger as on-the-go power supply
- Free Bragi App for setup The Dash

* 4GB data storage onboard
** Bluetooth 4.0 & LE required

**Ozmo Connected Cup**
CODING AND ROBOTICS MADE FUN!

Snap Circuits Land Rover
Robots and Coding Trends

- Smarter brain, learns and more human-like
- Updates from the cloud
- D-I-Y and teaches “Computational Thinking”
- Building for ALL age groups
Fisher Price Think and Learn
Code-a-pillar

MakerBloks

Lego WeDo 2.0
Cognitoys Dino
(power by IBM Watson)

AvatarMind iPal Robot
THE BIG BUZZ

DRONES OF ALL SHAPES AND SIZES
Drone and Quadcopter Trends

- Easier to fly or autonomous
- Better features or accessories
- Selfie-capable
- Small but powerful
- Added safety measures

www.lily.camera
Fleye: Personal Flying Robot

World safest drone

Fleye solves the challenge of drone safety with an innovative spherical design. It has the same size and weight as a soccer ball.

Discover Fleye

gofleye.com
Tech Trends in your Library!

What technologies are you working hard or would like to include or use in your library?
Virtual Reality In Your Library!

Google Cardboard

Virtual Reality In Your Library!

Viewmaster VR

Google Cardboard

Sites in VR

Anatomy VR

Titans of Space

Tuscany Dive

Jurassic VR

Different VR Apps (Free)
Coding In Your Library!

Dash Robot

Sphero Ball: SPRK

Ozobot: Code Anywhere
Lesson Plans:

Dash Robot:  https://teachers.makewonder.com/lessons
Sphero Ball:  http://www.sphero.com/education

http://ozobot.com/stem-education
Robots In Your Library!

Fisher Price Smart Toy

Dino by Cognitoys

MiPoSaur
Wearables & E-Health In Your Library!

- Withings Blood Pressure Cuff
- Kardia/AliveCor
- Misfit Link
- AliveCor Mobile ECG
Wearables & E-Health In Your Library!

- Circulate e-health devices
- Create monthly staff or patron challenges, teaming up online/in app
- Monthly tracking focuses ("Water Warrior" or "Sleep Superstar")
- Have a health center in your library for patron use

Misfit Link = $20
Drones In Your Library!

Hubsan X4  
(H107C)

Holy Stone  
(HS170)
Drones and Quadcopters In Your Library

- Buy extra blades, batteries and blade protectors
- Steer away from drones that don’t have easily accessible (or swappable) parts
- Fly in open spaces (or good ceilings)
- Register your drone if necessary (over .55 lbs)
- Use broken drones as makerspace/builder program
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<th>Technology Area</th>
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Teaching Tech!

What are some ways you are trying (or can try) to get staff or patrons curious and excited about some of the newest tech?
Tech Training Tips To Excite!

“Do you want to ride a roller coaster?”

IT’S NOT WHAT IT DOES BUT WHY IT MATTERS

- Talk about what it does FOR them
- Make it relatable to them
- Make it life-centered not tech-centered
TELL STORIES!

“This smart watch saved my brother-in-law’s life!”

TELL STORIES!

- More memorable (22x)
- More relatable…and fun!
- Can envision how it works
Tech Training Tips To Excite!

“Hmmm I’m not sure HOW that works. Let’s try it out together”

ADMIT THAT YOU DON’T KNOW!

- Less feeling of knowledge gap and judgment
- Better flow of ideas!
- Feeling of learning together
MAKE IT A PLAYGROUND!

“Who wants to fly a drone?”

- Show it doesn’t break… easily
- Don’t worry about how it fits in, they will let you know!
- Less intimidation/forcing-feeding info
- Learning while playing!
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Thank You for Attending!

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Upcoming

Planning for Growth With Inclusive Engagement
May 25, 2016
2:00 p.m. ET / 1:00 p.m. CT
Presented by:
Catherine Duarte, AICP
Library Planner, Madison Public Library