The Future is Now:

Virtual, Augmented, and Mixed Reality in Public Libraries

Jen Bishop

Carroll County Public Library
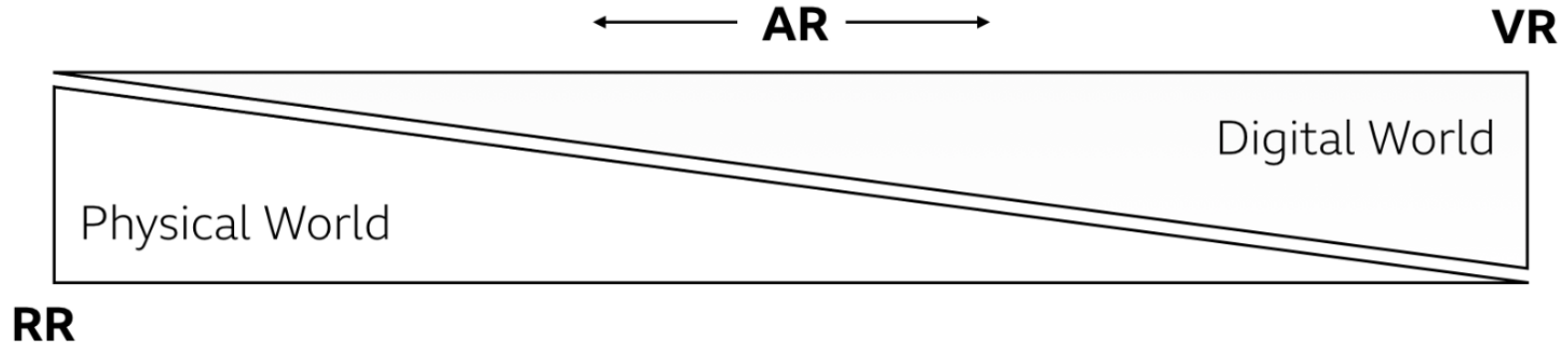
Liz Sundermann-Zinger

Baltimore County Public Library

What is VR, AR, MR, and XR?

The xR Spectrum

Mashup of S Somasegar & Linda Lion/TechCrunch
and Clay Bayvor/ Google

Virtual Reality

Fully immersive, computer-generated environment

Phone, stand-alone, console, and PC based platforms

Photo credit: Carroll County Public Library

Augmented Reality

Overlays 2D or 3D digital content onto the real world

Accessed via mobile devices and apps or AR headsets

Photo credit: Bosch

Introducing Communities to Technology

Photo credit: Carroll County Public Library

Getting Started with VR

PHONE BASED:

- Google Cardboard
- Samsung Gear VR
- Google Daydream View

STAND-ALONE:

- Oculus Go
- Lenovo Mirage Solo with Daydream

Getting Started with VR

CONSOLE BASED:

- PlayStation VR

PC BASED:

- HTC Vive and Vive Pro

- Oculus Rift + Touch

Getting Started with AR

MOBILE DEVICES:
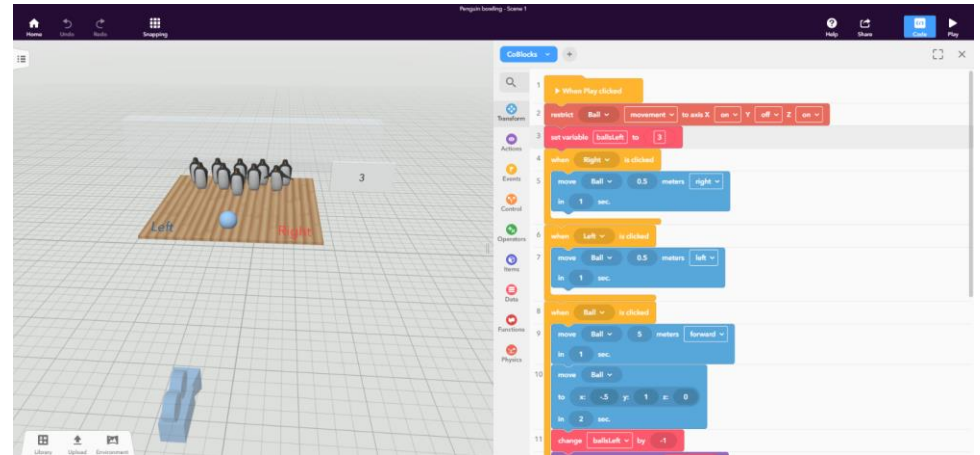
▪ AR supported phones and tablets

HEADSETS:

▪ Still early in development

▪ Hololens and Vuzix Blade

Photo credit: Carroll County Public Library

Applications in Libraries

- Start by providing an introduction and access to technology

- Explore immersive media content creation

Virtual Reality Roadshows and Lending

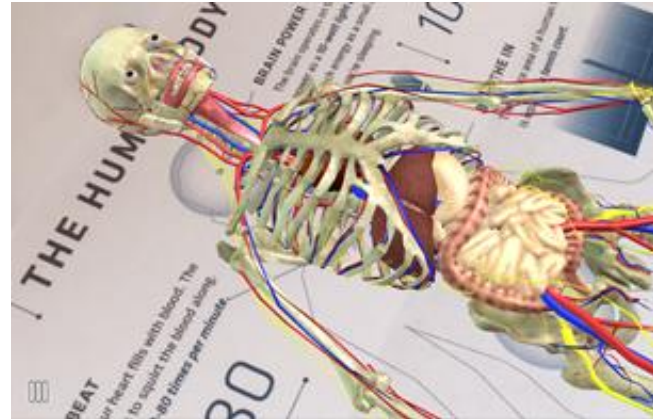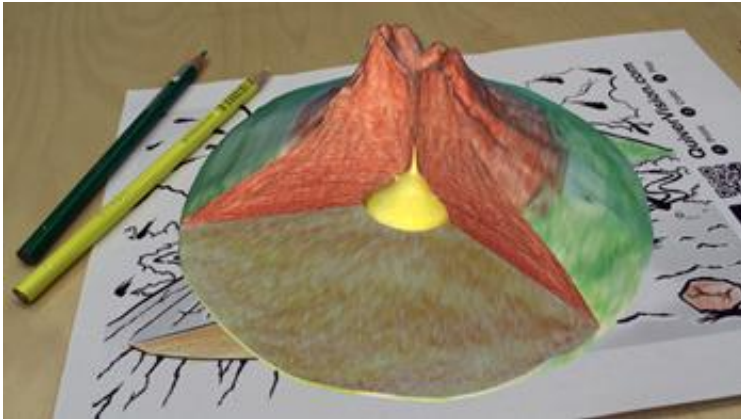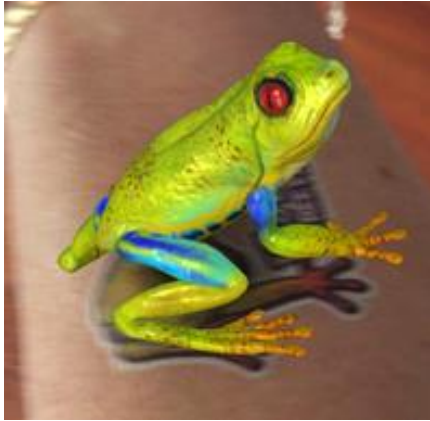Photo credits: Maryland State Library

Google Expeditions VR

Introducing Augmented Reality

AR experiences using HoloTats, Quiver, & DAQRI

Support Content Creation

Create
VR & AR

Create in VR & 3D Print- MageWorks

Photo credits:
Carroll County Public Library
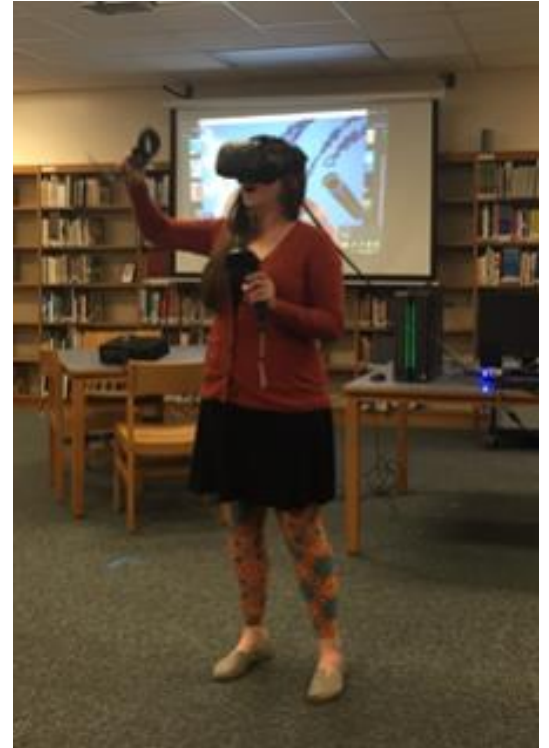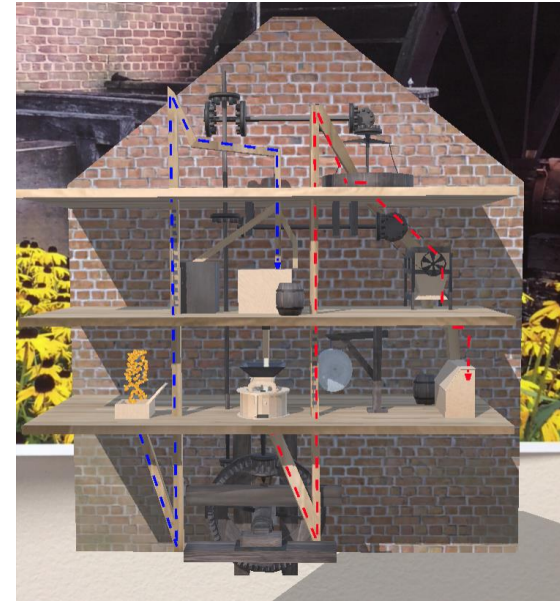
Outreach with VR

Photo credits: Carroll County Public Library

Union Mills: Early Industry Comes Alive Exhibit

Using Augmented Reality to bring history to life

Photo credits: Carroll County Public Library

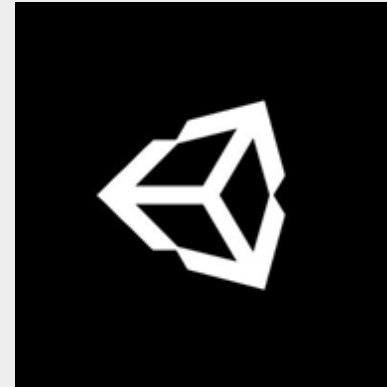# Supporting VR in your library

Developer in residence

Statewide lending

Training Videos

Photo credit: Baltimore County Public Library

Follow Trends

Logo images credited to each organization

Thanks to

Institute of Museum and Library Services, Maryland State Library, BaltiVirtual, FutureMakers, Earthborn Interactive

Videos

MageWorks
Baltimore County Public Library
https://youtu.be/bFumsA_eVZg

Customer Interaction and Safety for HTC Vive and Oculus Rift
Baltimore County Public Library
https://makeitplace.carolib.org/

Contact Us!

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