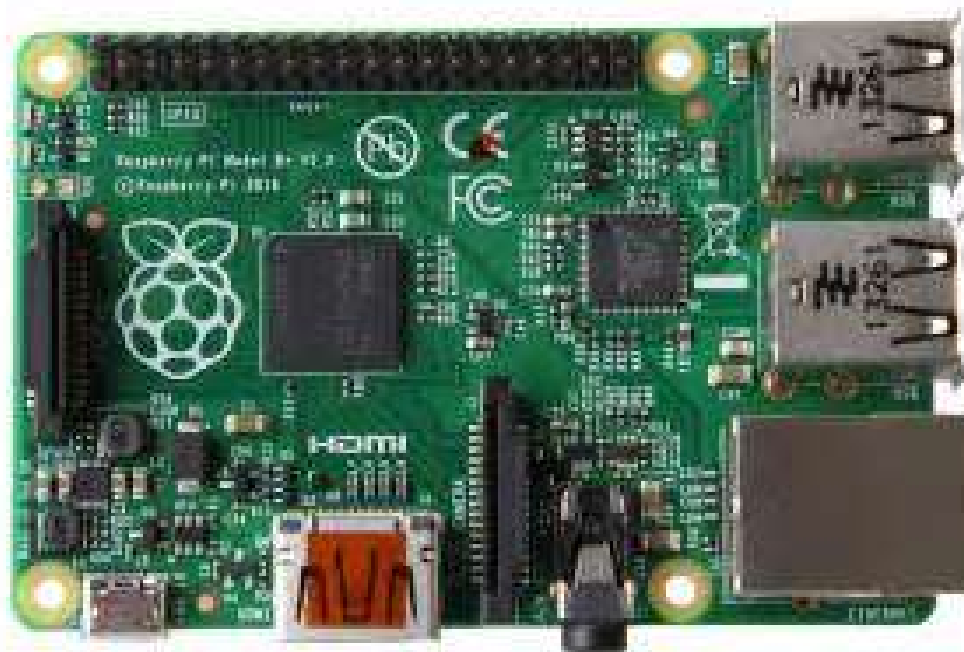




**Carleton**  
UNIVERSITY

# Emerging technology lending library

Emma Cross, Ryan Tucci & Jennifer Whitney



*OALT-ABO Annual Conference, May 12, 2017*

Image sources listed on last slide

# Emerging technology lending library

## Plan for today

- Overview of the emerging technology lending library at Carleton University – [Emma Cross](#)
- Raspberry pi: projects and learning – [Jennifer Whitney](#)
- 360 video and VR – [Ryan Tucci](#)
- Hands-on time with emerging technology

# Emerging technology lending library

Successful Carleton collaboration between:

- **MacOdrum Library**
- **Discovery Centre for Undergraduate Research and Engagement**
- **Information Technology Services (ITS)**

In response to changes in university curriculum increased emphasis on *experiential learning*

# Emerging technology lending library

Over 45 pieces of emerging technology equipment for loan to students, faculty & staff

## Objectives:

- support student course work, projects and research.
- give all students the opportunity to use and experiment with emerging technology

# Emerging technology lending library

## How to borrow:

- Visit the ITS help desk in the Discovery Centre, 4<sup>th</sup> floor of the Carleton Library
- Items available for two week loan with a valid student card
- Visit the Library emerging technology webpage

<https://library.carleton.ca/research/collection/emerging-technology-collection>

# Emerging technology lending library



## #1 Raspberry pi

Image sources listed on last slide


# Emerging technology lending library



## #2 Arduino

Image sources listed on last slide

# <https://library.carleton.ca/research/collection/emerging-technology-collection>




**MacOdrum Library**  
*You're smarter here.*

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## Emerging Technology Collection

[Home](#) » [Research](#) » [Specialized Collections](#) » [Emerging Technology Collection](#)




### Contact

IT Help Desk  
613-520-2600 x3700  
[email](#)  
[map](#)

The library maintains a growing collection of hardware and peripherals that support student and faculty work in emerging technology. We have boards, electronics, gesture control devices, virtual reality viewers and more!

To borrow an item, visit the **Emerging Technology Lending Library** located at the ITS Service Desk in the Discovery Centre on the fourth floor of the Library. Items can be borrowed by Carleton students, faculty and staff with a valid Library card for a two week period.

### Our Current Collection



#### Development boards and accessories

- Raspberry pi B+ starter kit
- Raspberry pi B+ kit model B+ v1.2
- Raspberry pi 3,
- Raspberry pi 3, model B, uncased
- Raspberry pi 3 complete starter kit
- Raspberry pi zero kit
- Arduino mega 2560
- Genuino Uno rev3
- Intel Edison
- Intel Galileo gen 2 board single



# Gateway into e-book collection

The logo for Safari, featuring the word "Safari" in a red, serif font.The logo for ProQuest, featuring the word "ProQuest" in a red, serif font with a stylized red graphic element below the "Q".

- Safari Books Online
- collection of both scholarly and professional technology e-books
- Promote e-books in conjunction with the emerging technology collection

# Emerging technology lending library

## Future issues

- Funding
- Maintenance and upkeep
- Damage and replacement costs
- Promoting the use of technology across disciplines

# Image sources

Raspberry pi (slide 1 and 6)

<https://www.raspberrypi.org/forums/viewtopic.php?t=4751>

Arduino (slide 7)

<https://www.arduino.cc/en/Main/arduinoBoardMega2560>