Emerging technology lending library

Emma Cross, Ryan Tucci & Jennifer Whitney

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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, 4th 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.

Emerging Technology Collection

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, unboxed
- Raspberry pi 3 complete starter kit
- Raspberry pi zero kit
- Arduino mega 2560
- Genuine Uno rev3
- Intel Edison
- Intel Galileo gen 2 board single
Gateway into e-book collection

- 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)

Arduino (slide 7)
https://www.arduino.cc/en/Main/arduinoBoardMega2560