



August 4, 2016

Extension mash-up: Taking Scratch to the Next Level

Lesley University STEAM Team
MIT Media Lab Scratch Team

Who are we?

Kreg Hanning - Lesley University/Scratch Team

Ruby Eisenbud - Scratch Team Summer Intern

Sue Cusack - Lesley University

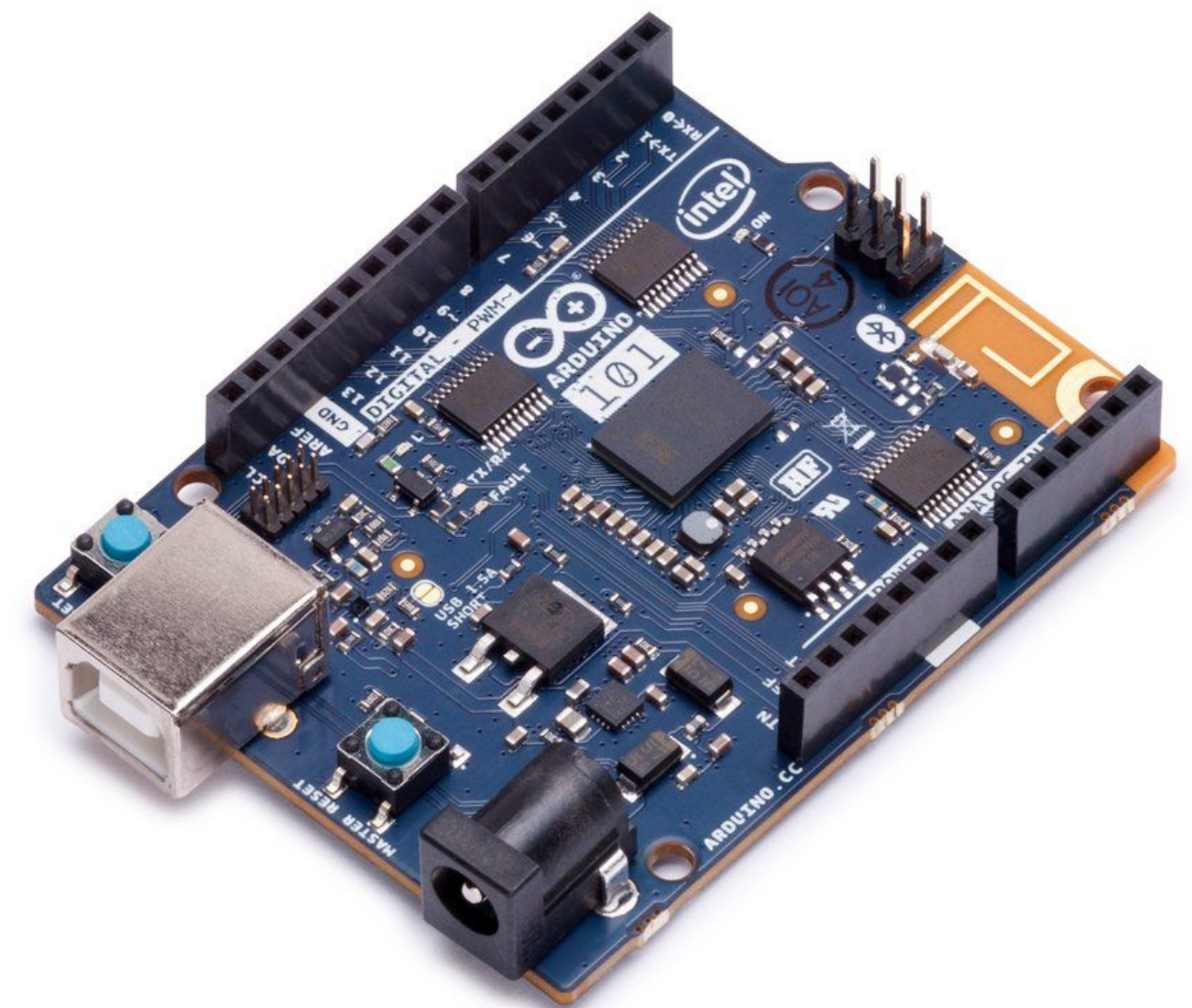
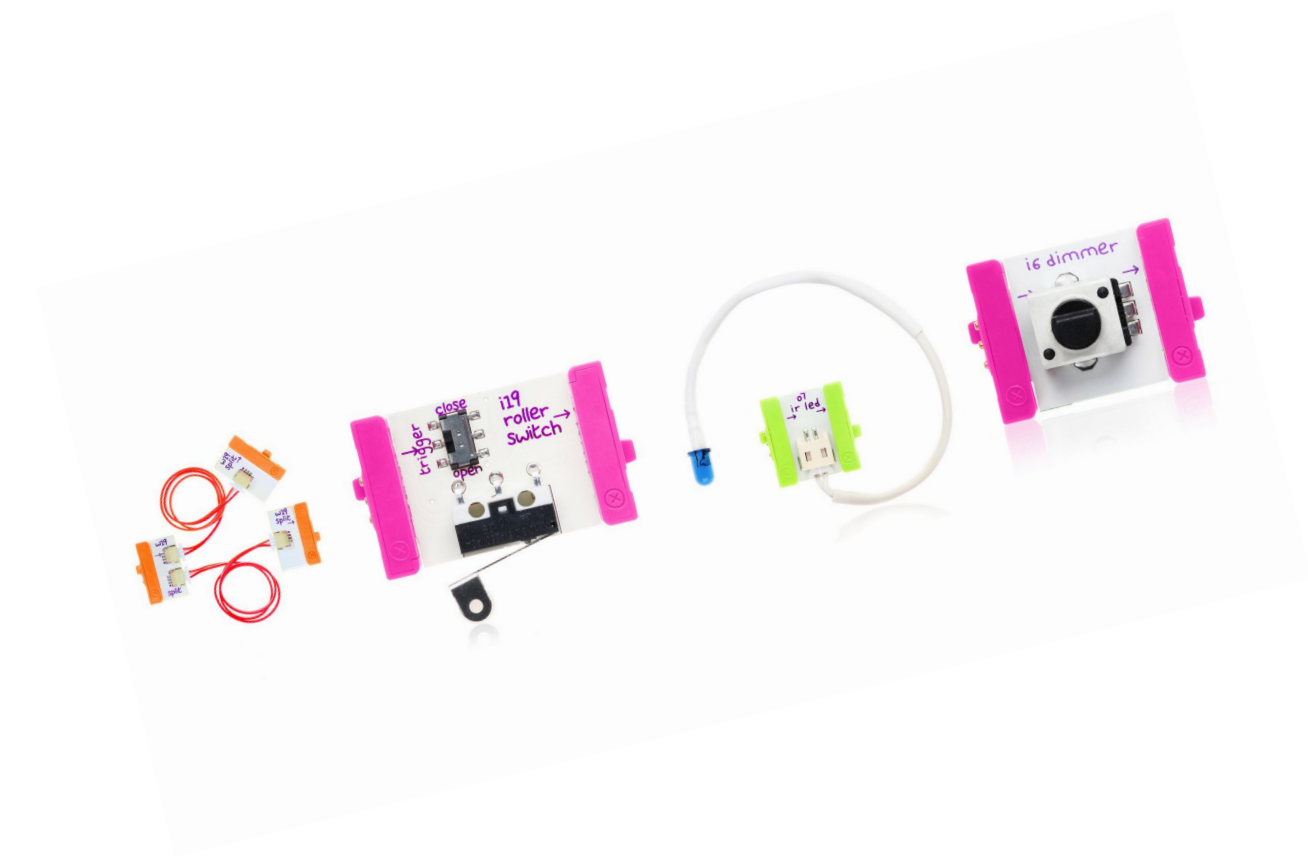
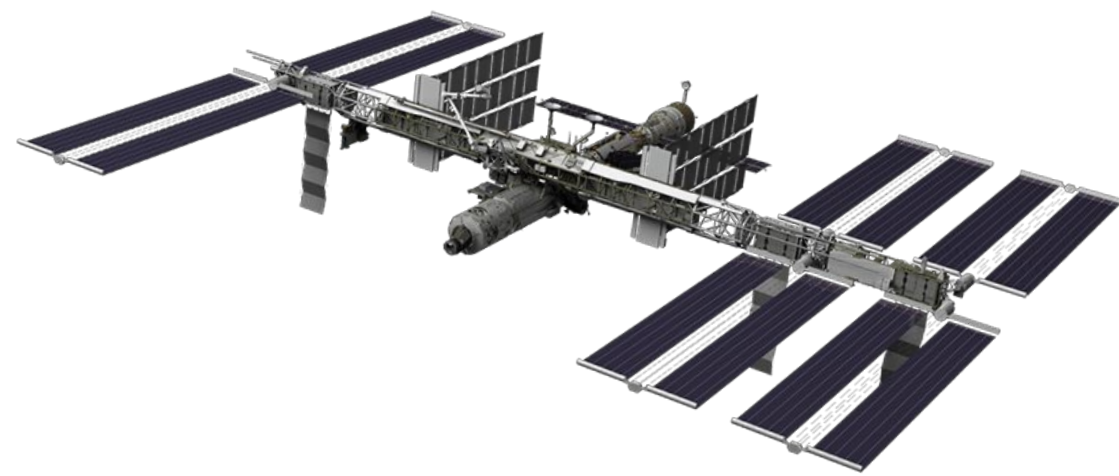
Jacy Edelman - Lesley University

and a few special guests...

Agenda

11:00 - 11:10	Introduction/Overview of ScratchX
11:10 - 11:30	Group activity (Weather extension)
11:30 - 12:30	Free play with extensions

What are Scratch extensions?



ScratchX

<http://scratchx.org>

 Beta

[FAQ](#) [See all Extensions](#)

Gallery of Experimental Extensions

With Experimental Extensions, you can create Scratch projects that connect with external hardware and online resources. Try examples below to see the wide variety of things you can do with Experimental Extensions!

If you are a developer with an extension that you'd like to submit to our gallery, read more about the [submission process here](#).

Warning: all extensions are experimental and not a product of the Scratch Team. [Find out more](#)

Arduino
Kreg Hanning, David Mellis



Control Arduino boards
[Sample Project](#) [Documentation](#)

Requires Hardware

Arduino 101
Kreg Hanning



Control Arduino/Genuino 101 boards
[Sample Project](#) [Documentation](#)

Requires Hardware

EV3+Scratch
Ken Aspeslagh



Control LEGO EV3 robots wirelessly
[Sample Project](#) [Documentation](#)

Requires Hardware

Firebase Mesh
Connor Hudson



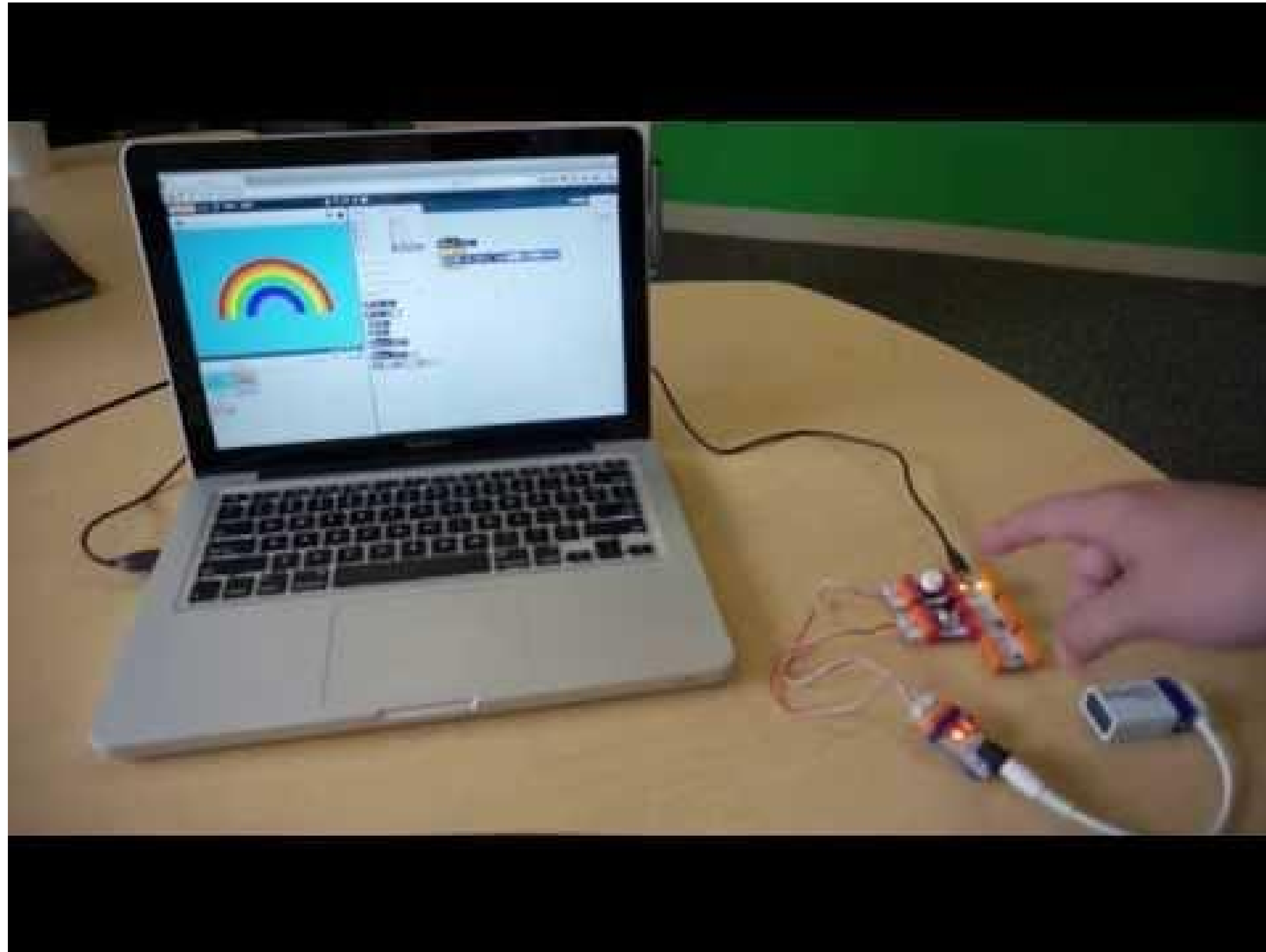
Intel® RealSense™
Shachar Oz, Yaron Yanai, Yotam Salmon



CREATE SOMETHING AMAZING
INTEL® REALSENSE™ EXTENSION FOR SCRATCH

iRobot® Create® 2
iRobot





Let's Play!

bit.ly/ScratchWeatherMaps

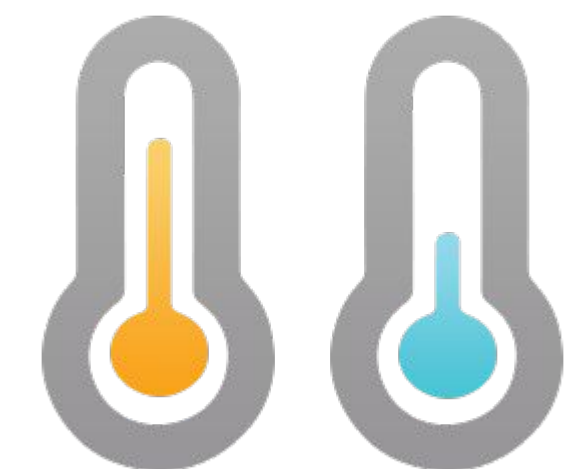
(case-sensitive)

temperature ▼ in Boston, MA

when temperature ▼ in Boston, MA is > ▼ 80

set units to imperial ▼

unit format



Example - Twitter Dashboard

bit.ly/ScratchXTwitterDashboard

(case-sensitive)

