



Asa Sevelius <asa\_sevelius@psbma.org>

11/9/17 ECS NEWSLETTER

Asa Sevelius <asa\_sevelius@psbma.org>  
Draft To: Asa Sevelius <asa\_sevelius@psbma.org>

Mon, Nov 13, 2017 at 9:04 AM

# ECS Newsletter

11/9/17

**ECS Mission: To Collaborate with PSB educators to create rigorous, relevant, engaging learning for all students**

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Goals of the Public Schools of Brookline

Goal 1: Every Student Achieving

Goal 2: Every Student Invested in Learning

Goal 3: Every Student Prepared for Change and Challenge

Goal 4: Every Educator Growing Professionally

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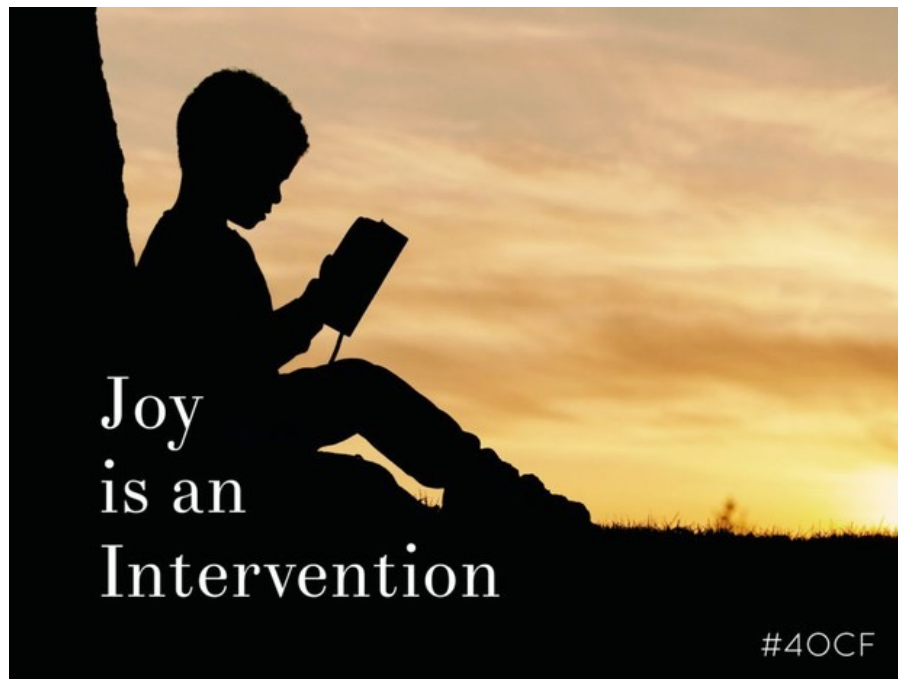
@ECSbrookline

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[WWW.ECSbrookline.weebly.com](http://WWW.ECSbrookline.weebly.com)

Psbma

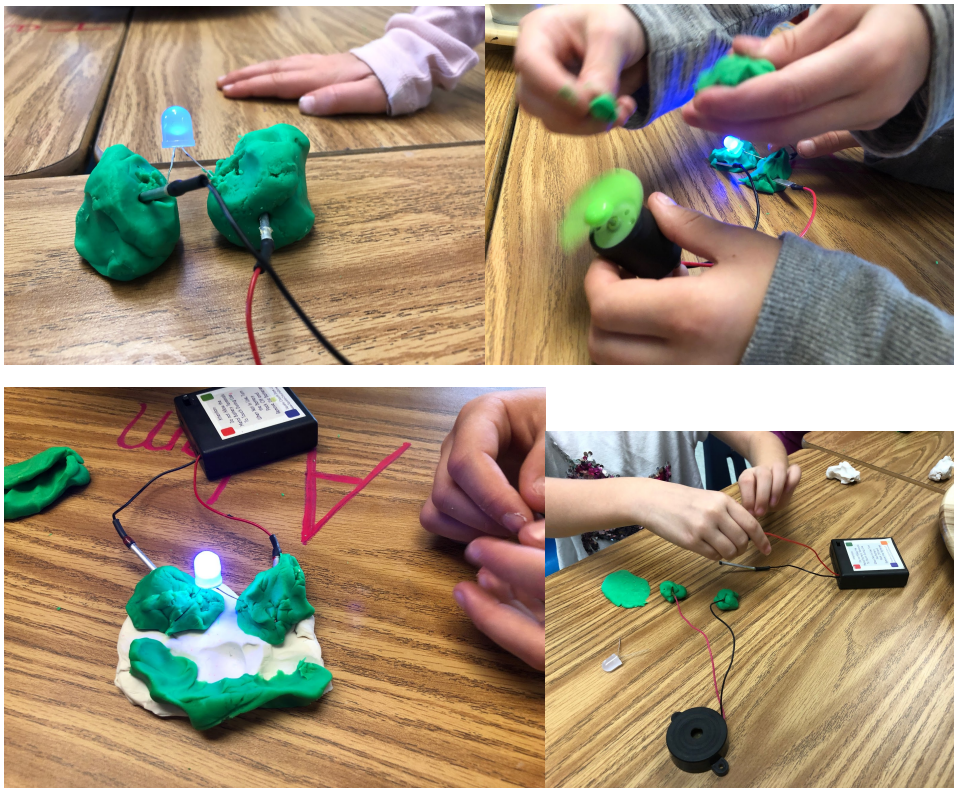
## Quote of the Week



## Current Goings On

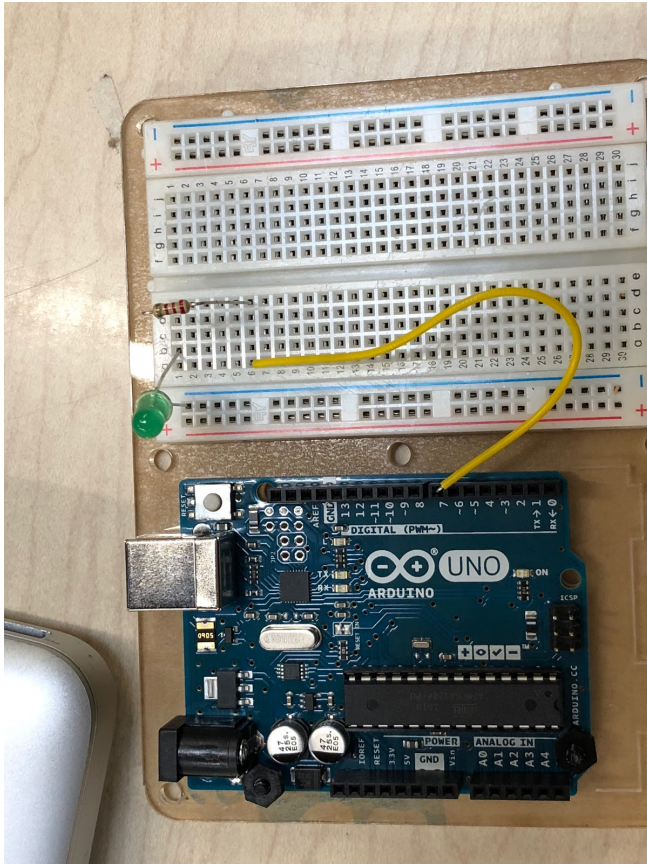
### Squishy Circuits in Grade 1!

Students are exploring circuits, conductivity, resistance, short circuits, and how to power lights, sirens and fans. Next week they will build a sculpture of conductive clay, and figure out how to get parts of it to light up.



# Speaking of Electricity...

Some of us teachers learned a little about Arduino (Electricity, programming, engineering all wrapped up in a cool package) recently. We are excited to learn more and share with colleagues and students! If you are interested in Arduino, let me know!



## Third Grade Design Engineering

Students in 3GO (Pierce) are finishing their cardboard challenge project. They brainstormed, sketched, prototyped, fixed, and then built some AMAZING things.

**Car with washers to keep wheels in place on the axle.  
Two penguins.**



**Polar bear piggy bank.**



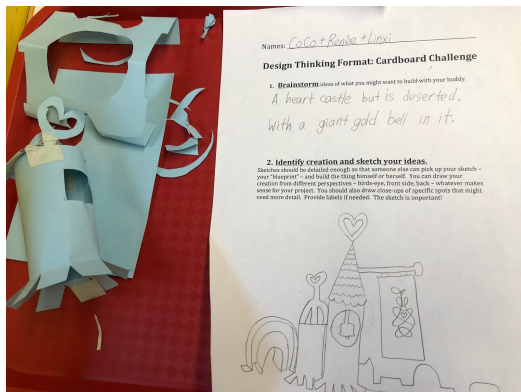
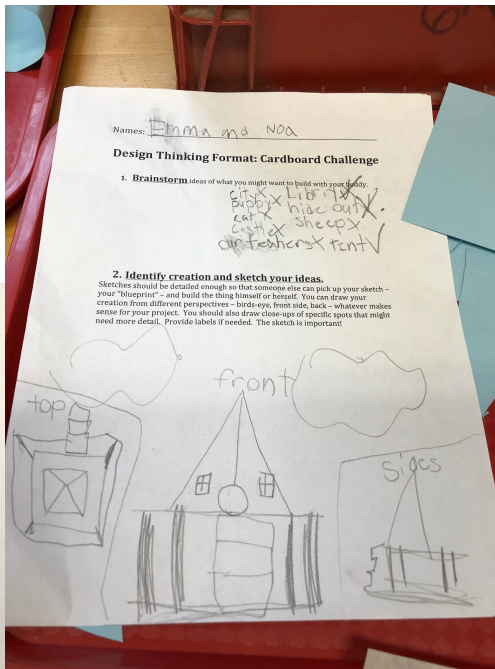
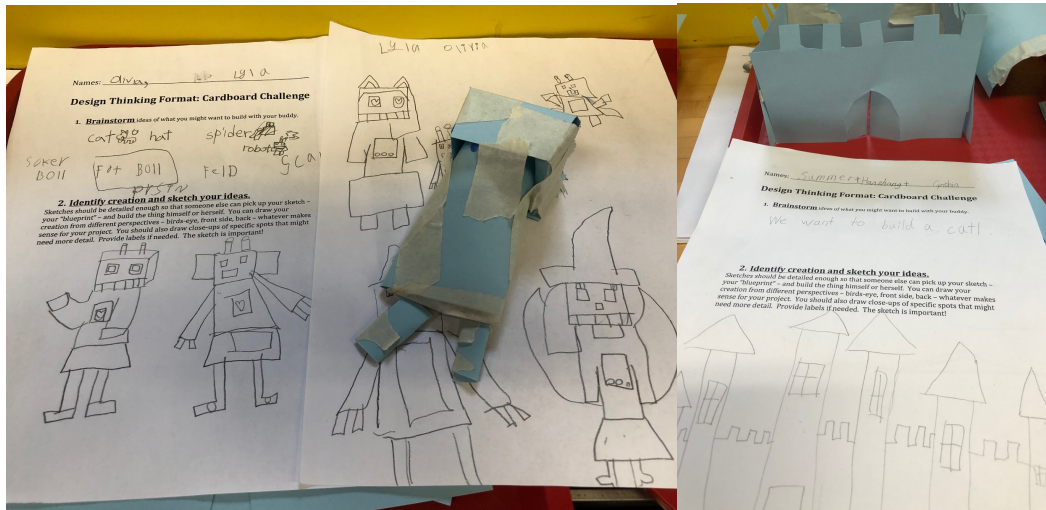
## Hamster wheel.



## Speaking about Cardboard Challenges...

I noticed that there are cardboard challenges going on at Pierce on days I'm not even there! 3C and 1H are partnering to build things using the design engineering technique! Here you see brainstorming, sketches and the beginnings of prototyping.

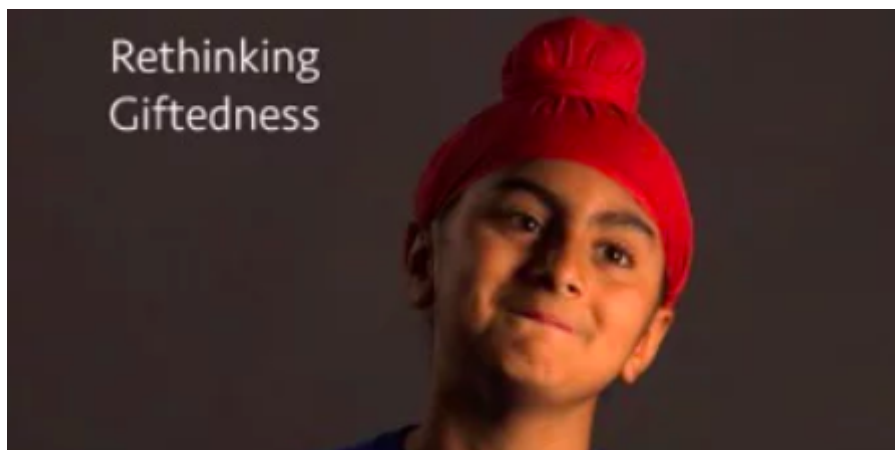




# Articles and Resources

## Rethinking Giftedness

This is a fantastic New film From Jo Boaler, it's a powerful 5 minute film. Food for thought. It may be a good resource for parent conferences?



## [Deeper Learning: A Collaborative Classroom is Key](#)

**From the article:** Teach students how to listen and ask good questions with these exercises designed to scaffold deep, meaningful collaboration.



## [Genius Hour in Elementary School](#)

I am a huge fan of genius hour and I'd love to work with anyone who wanted to try it in their class.


**From the article:** My first year of Genius Hour in my fifth-grade classroom was a huge success. I gave students one hour each week to study any subject of their choosing. They chose subjects I could not have predicted: the architecture of the Czech Republic, blade forging, gender issues in the media. They used a plethora of technology and three-dimensional models. Working alongside my students, my topic was "How to Implement Genius Hour in the Classroom." Our year was successful but also flawed, with room for improvement and refinement.

## [Classroom Eye Candy 2: The Learning Lounge](#)

A little bit of inspiration!



CLASSROOM EYE CANDY:  
 THE LEARNING LOUNGE



CULT OF PEDAGOGY

## Equity/All Students Learning

### Breakthrough: The Killer-Snail Scientist

This video shows the really interesting and important work of scientist Mandë Holford . Her work and her subject matter is fascinating, and she is totally passionate about her work. She makes you fall in love with science and killer snails! What a great role model.



**What's an OLogist?**  
 OLogists are people who are so curious about something that they want to know everything about it.



## Tinkertime

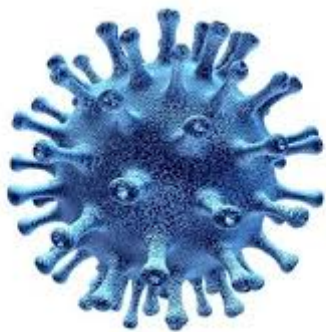


## Florence Nightingale and Hand Hygiene

A timely subject! Use this hands-on activity to show how germs can easily transfer from place to place.



By the way, this is a flu virus:

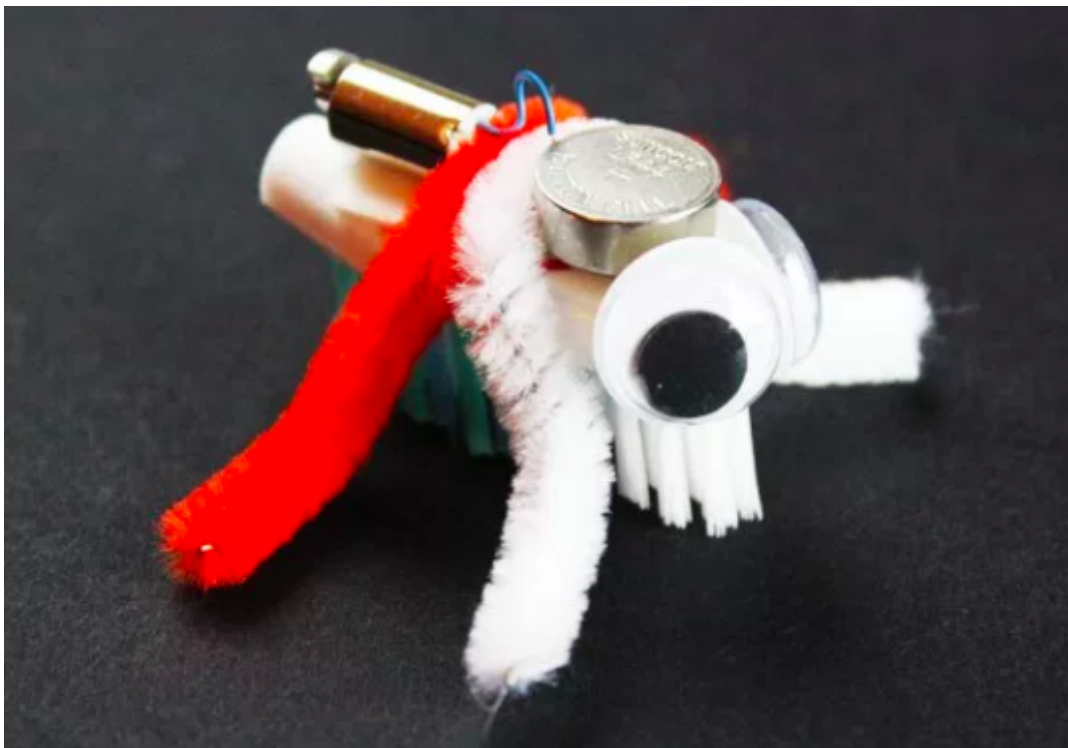


## Mini Folded Paper Stars (with templates)



## How to make a Bristle Bot

This is a fun way to facilitate students' understanding of the electric circuit.



## Random Interesting Things

## Figurative Sculptures Formed From Recycled Cardboard

These are fantastic sculptures. Cardboard can be an amazing medium to work with! Cardboard!

