

Makerspaces Matter

Design Thinking for ALL Learners

A red brushstroke underline is positioned beneath the word "ALL" in the subtitle.

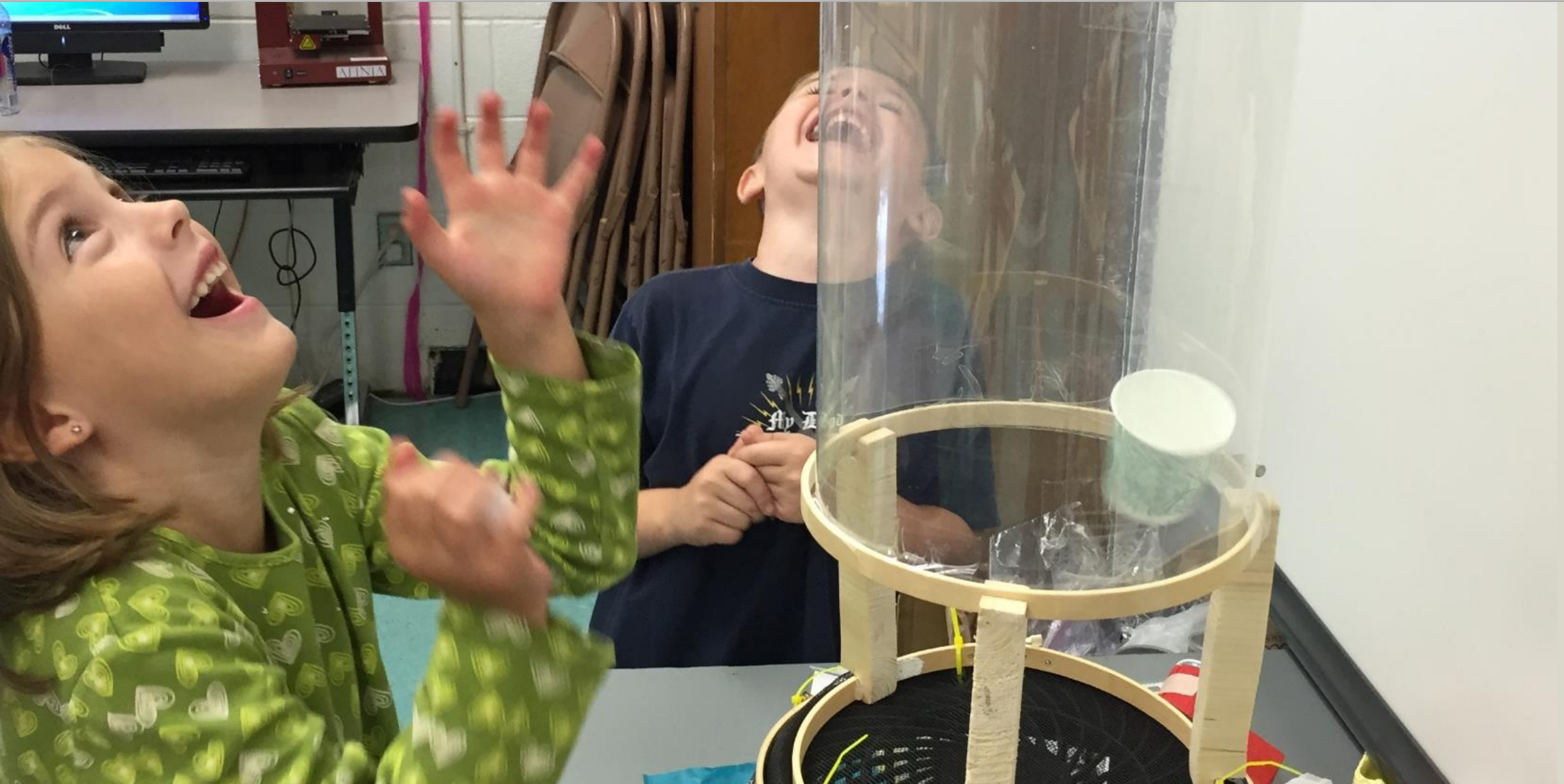
Dr. Jessica McClung

Tina Coffey

Meg Swecker

Roanoke County Schools

It is the supreme art of the teacher to **awaken joy in creative expression and knowledge. –Albert Einstein**



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Audience Participation

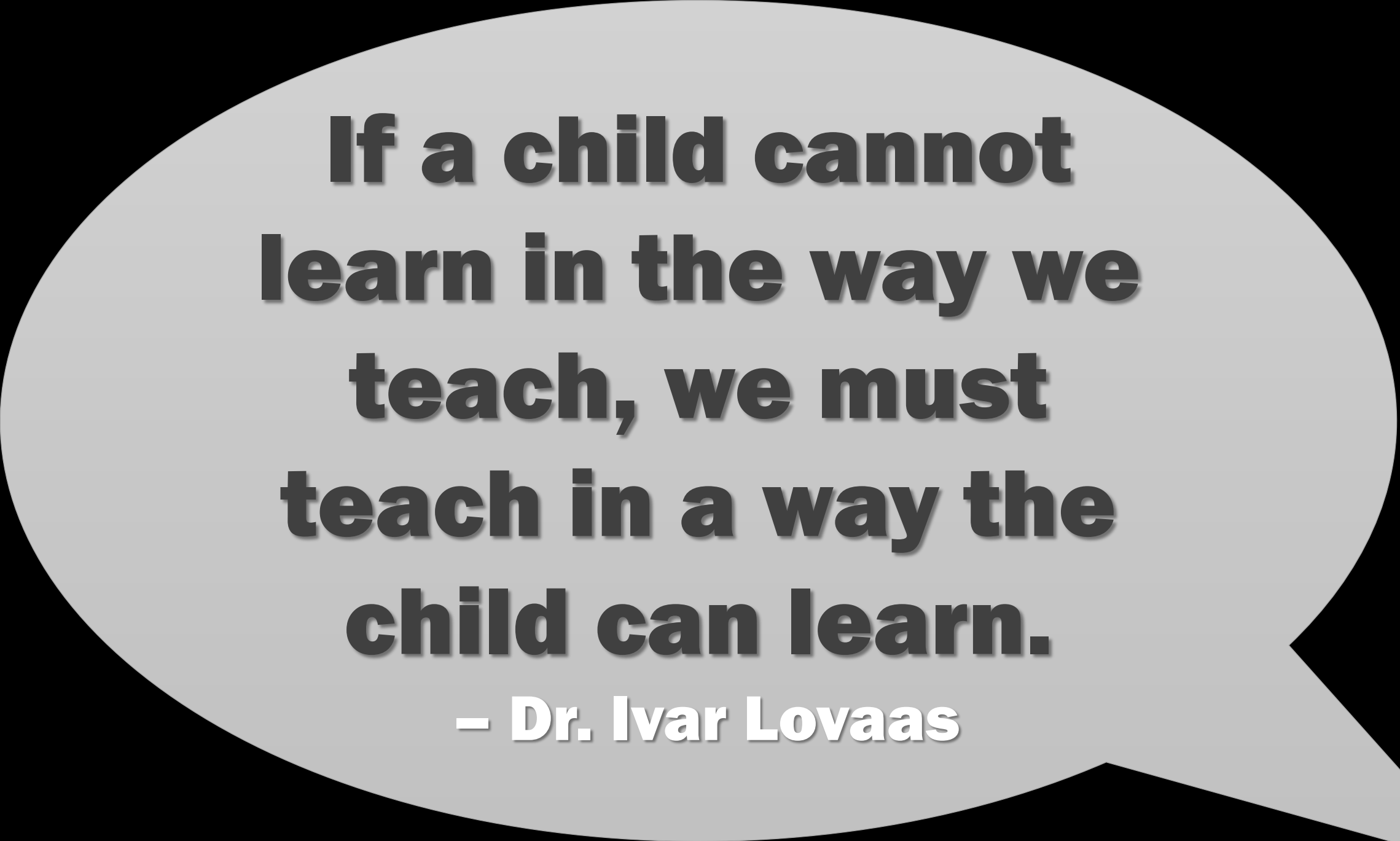




Library MakerSpace

**Some learners
struggle with
traditional teaching
approaches.**





**If a child cannot
learn in the way we
teach, we must
teach in a way the
child can learn.**

– Dr. Ivar Lovaas






Co-Taught Classroom





Social Skills Group



**“The best way
to start is
simply to start.”**

-Emily Pilloton

Educator & Designer

Pirate Hats

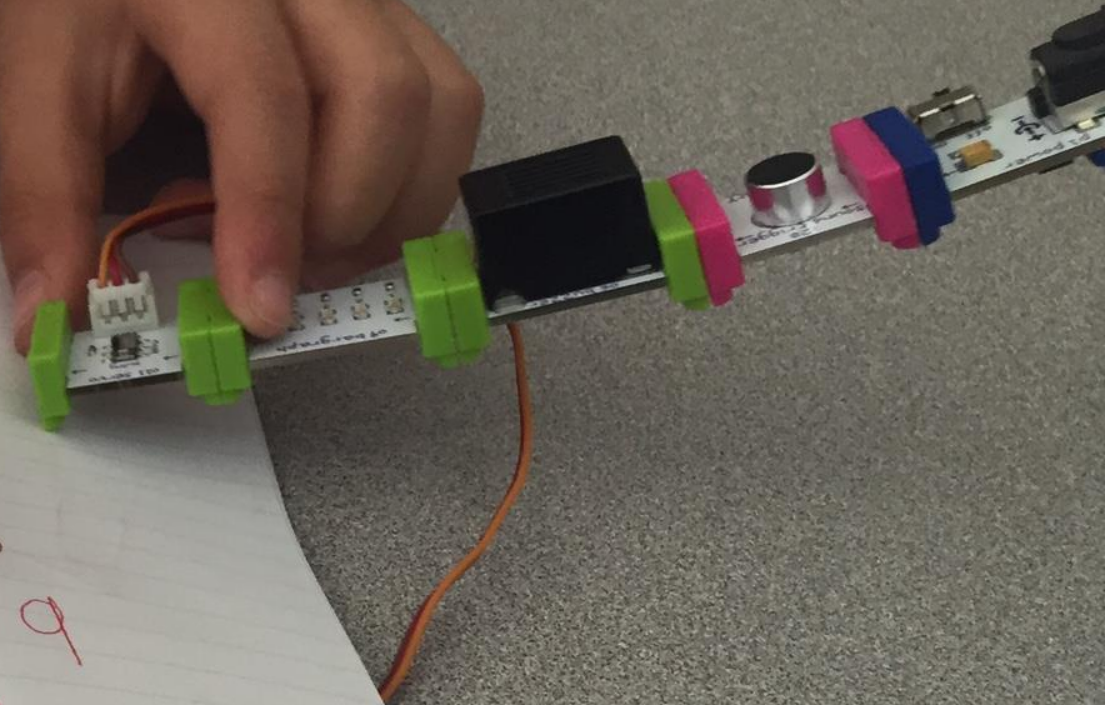


ARRRR!

Hack-O-Lanterns

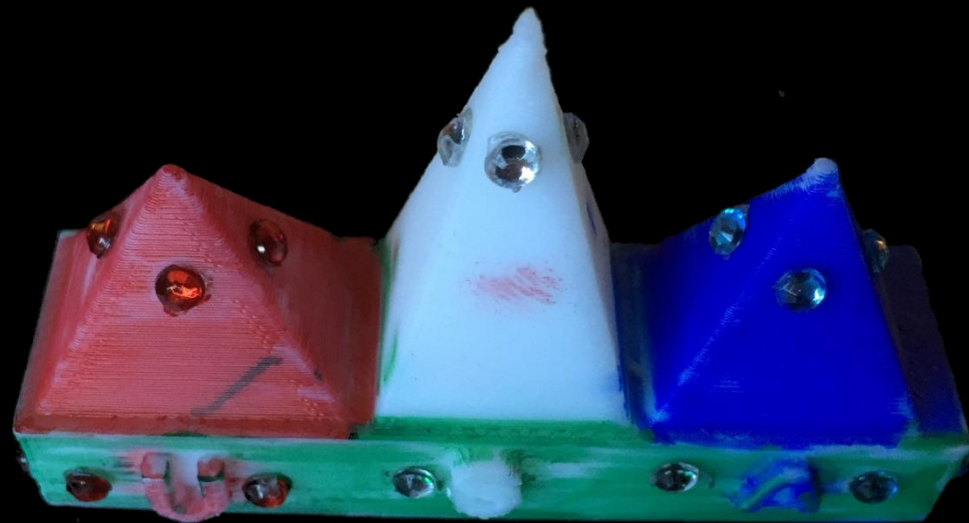
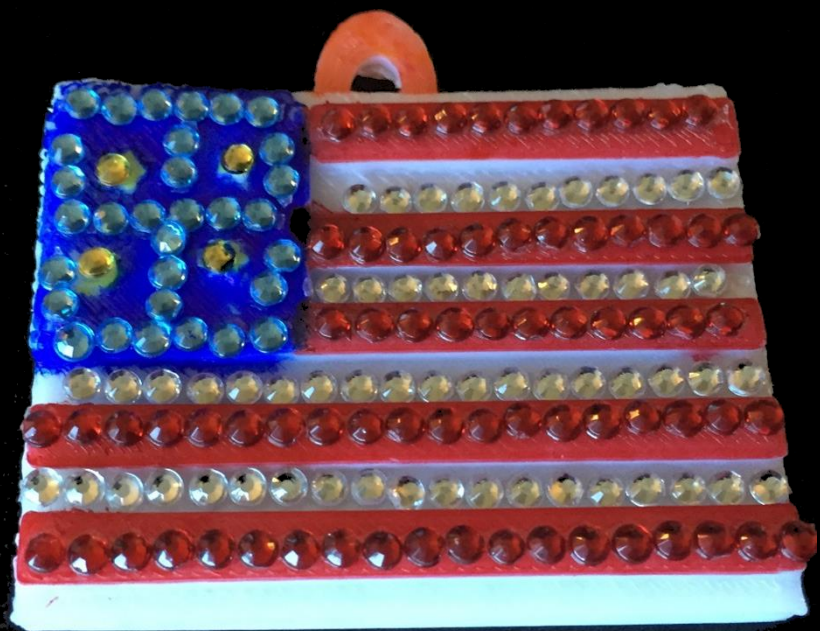


bangraph
buzzer
sound
power
servo



Make sure to check out the LittleBET circuits inside!





**“My point is a simple one:
Your expectations can be
a bigger obstacle to
success than your
students’ disabilities.”**

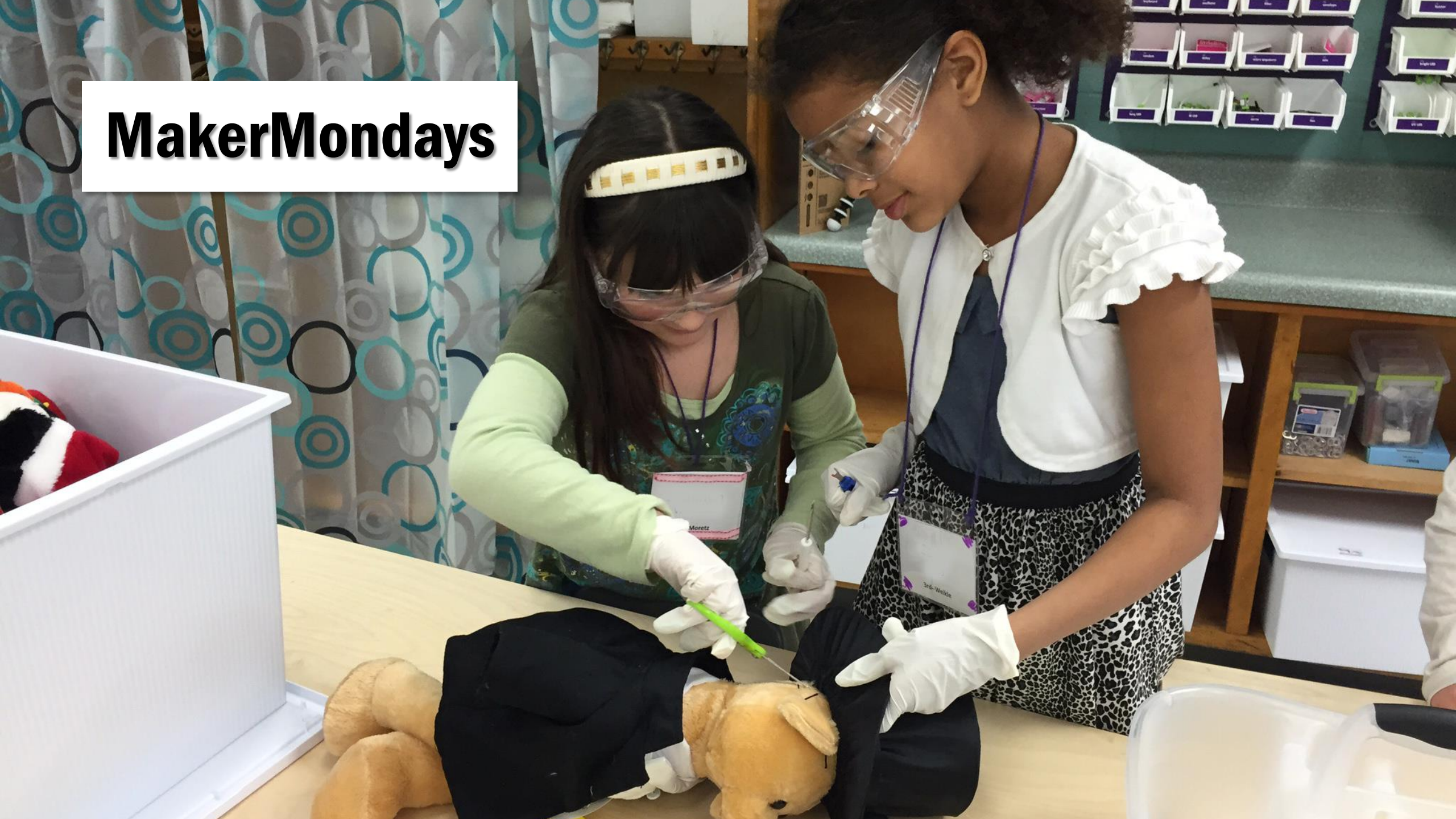
-John Franklin Stephens

Special Olympics Athlete & Global Messenger



**Leaders in their
own homerooms**

MakerMondays





MakerWorkshops

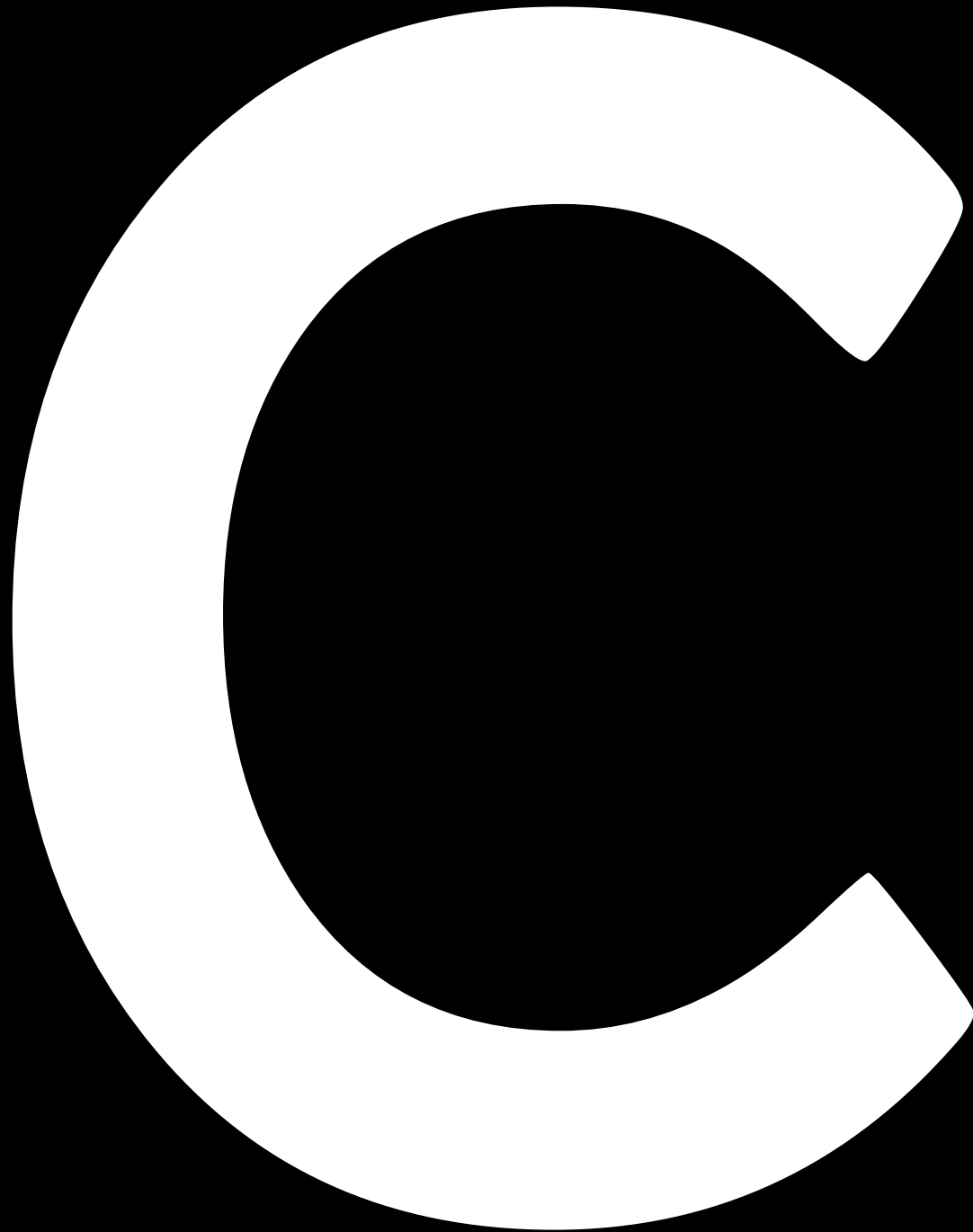


Summer Camp



**Student leaders
in the making...**





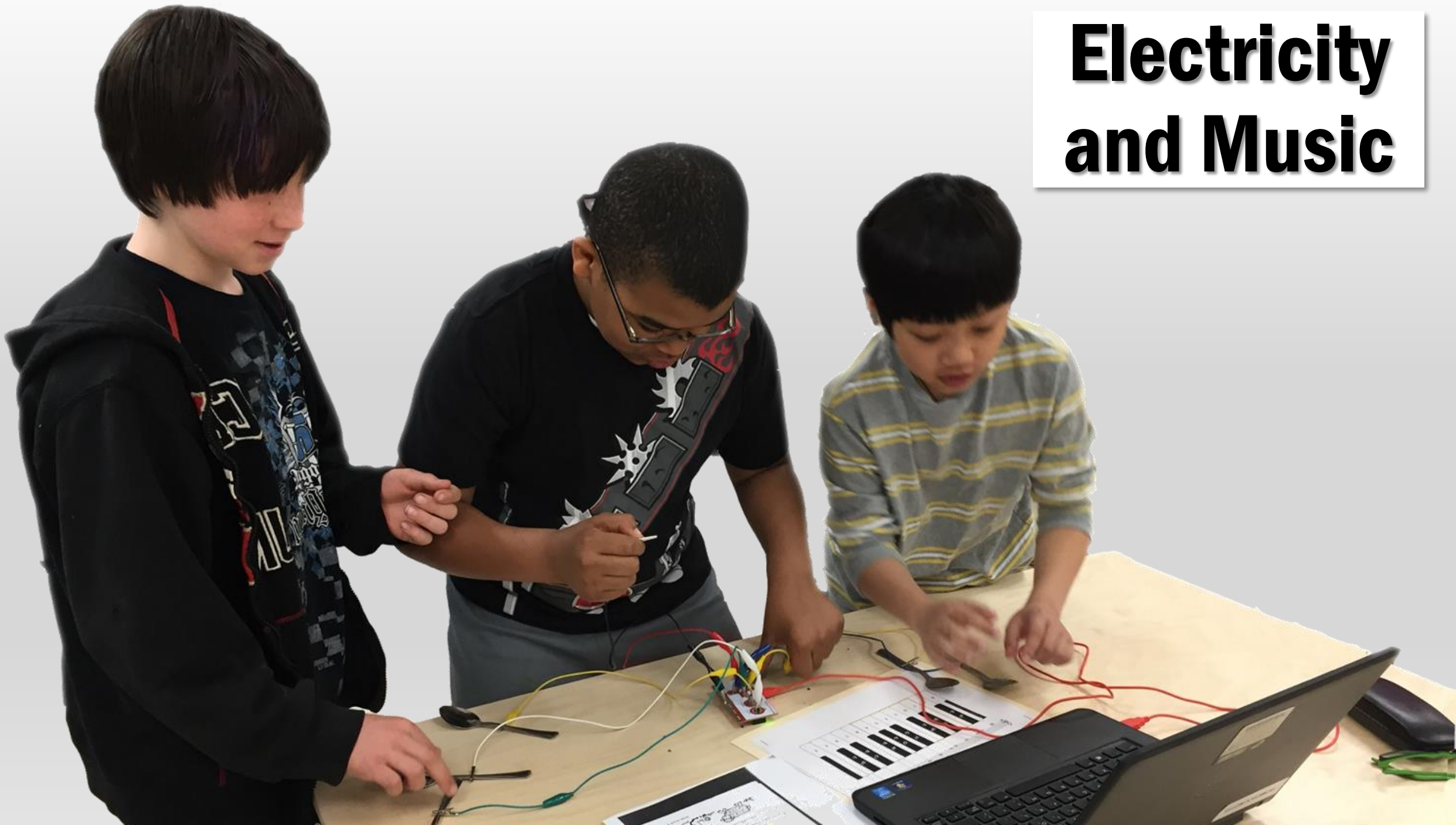
creativity
collaboration
critical thinking
communication

S.O.L.S

Electricity



Electricity and Music





Magnets, Money, and Cardinal Directions



3D Printing



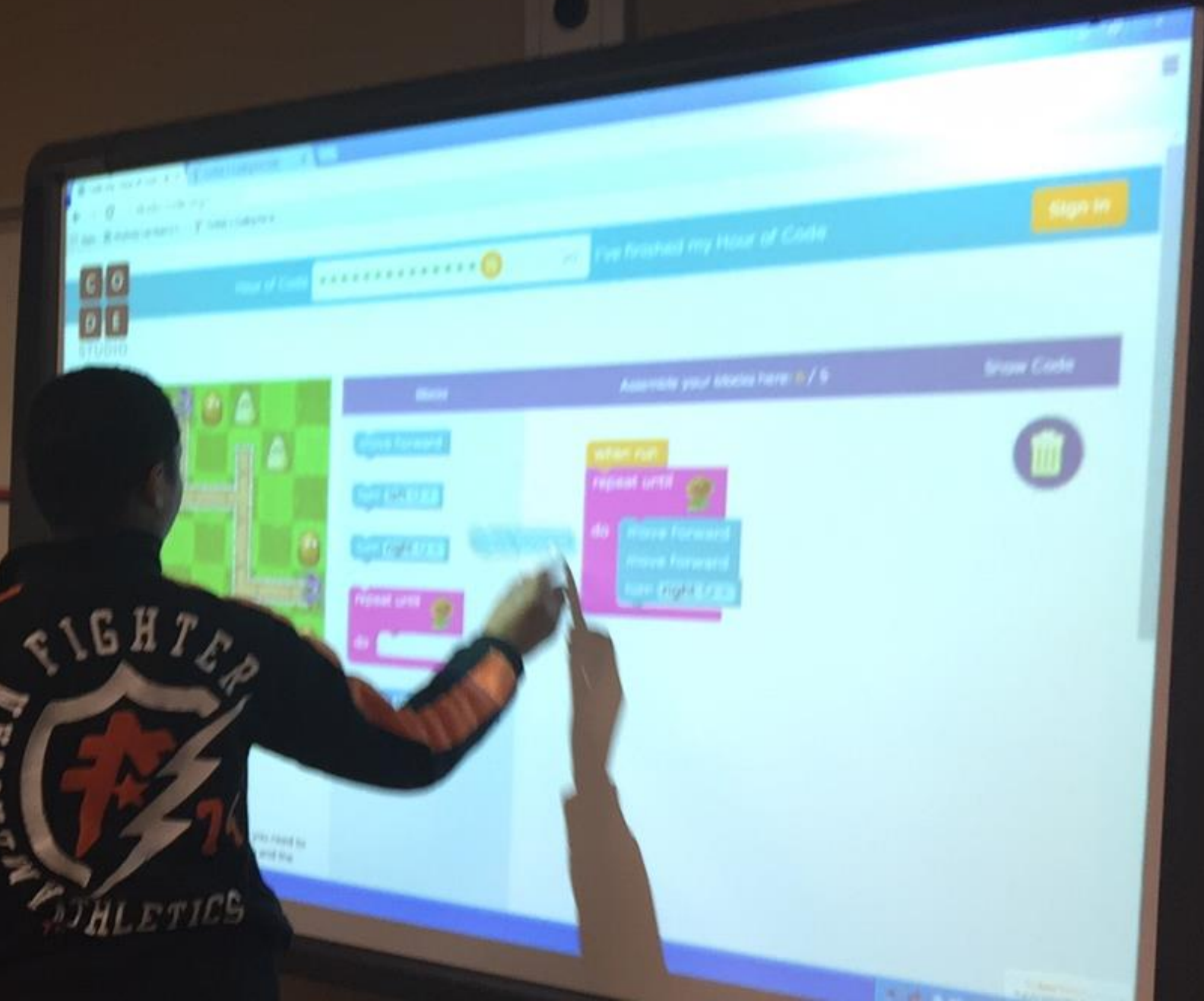
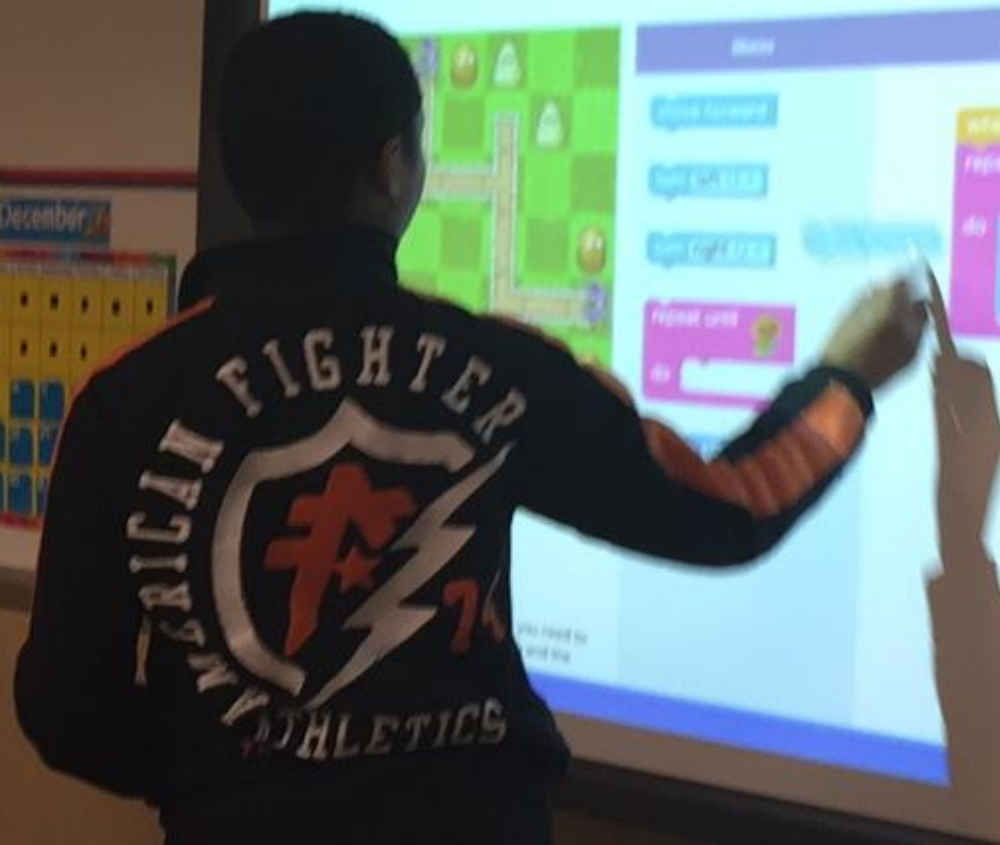
Exploring Motion





Exploring Motion

Coding





Minecraft Hour of Code

Code.org

Use blocks of code to take Steve or Alex on an adventure through this Minecraft world.

Ages 6+ | Modern browsers, smartphones, tablets

630,870 participants

<http://code.com/mc>

Go



Star Wars: Building a Galaxy with Code

Code.org

Learn to program droids, and create your own Star Wars game in a galaxy far, far away.

Ages 4-104 | Modern browsers, smartphones, tablets

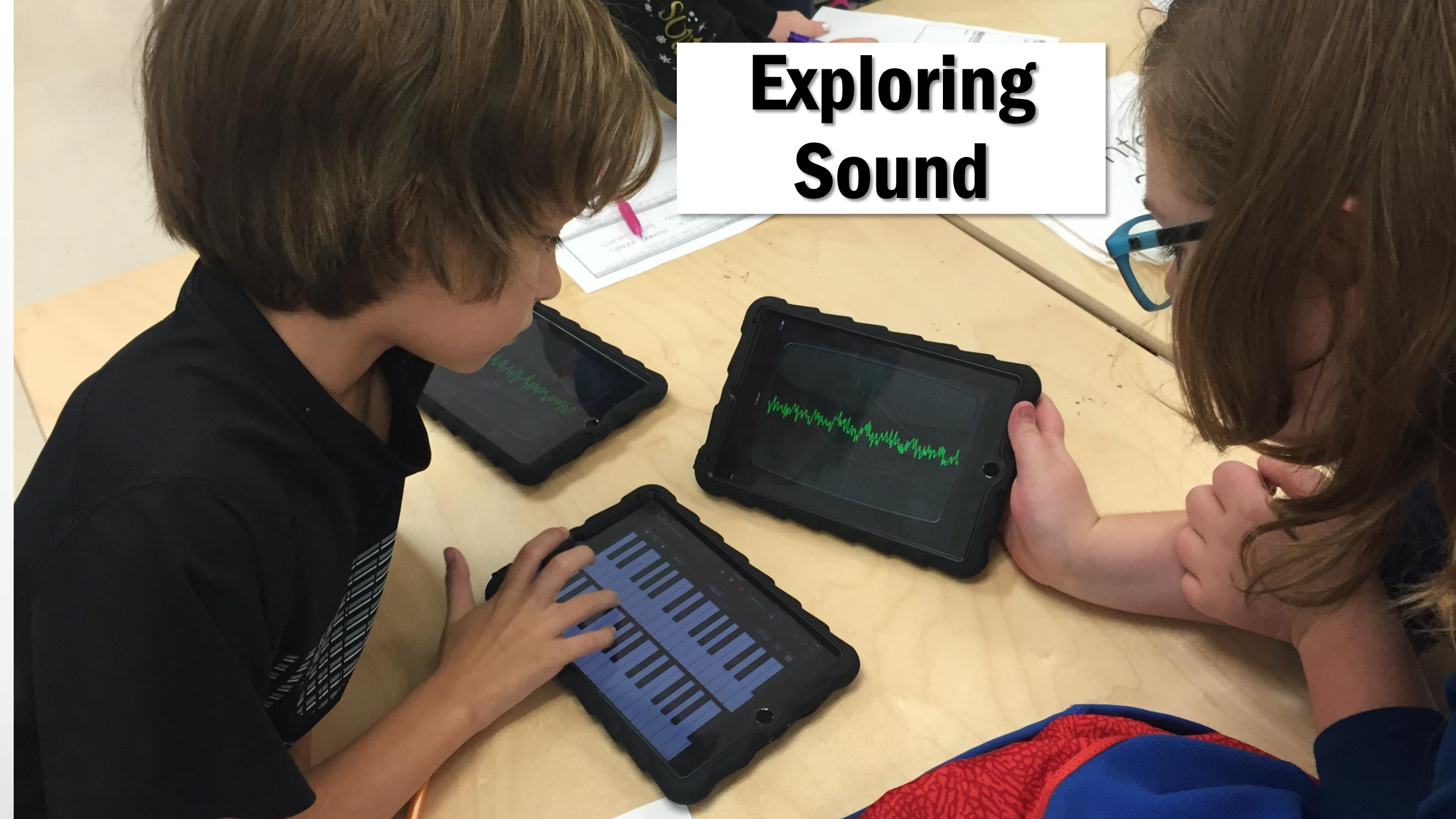
455,554 participants

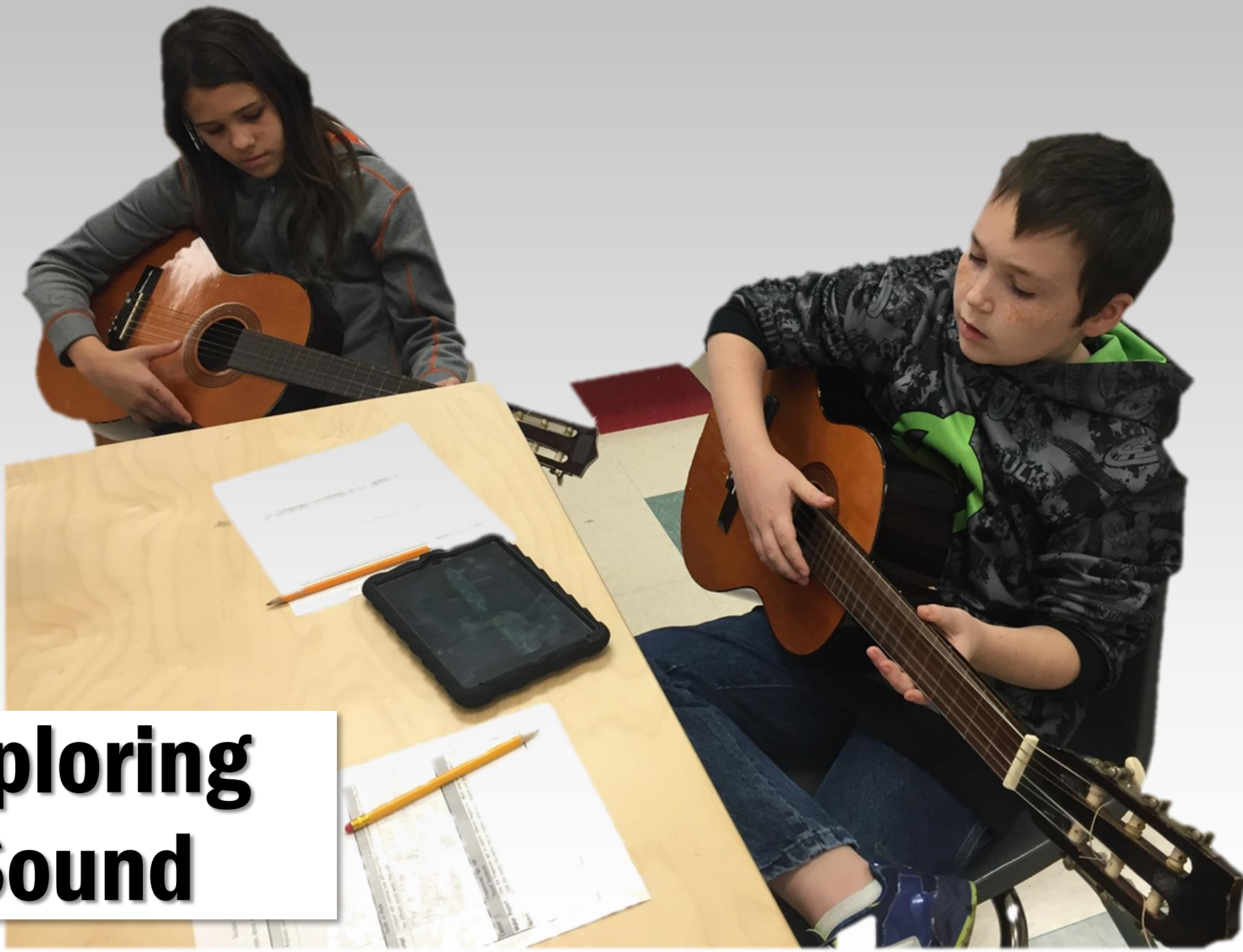
[Teacher's Notes](#)

<http://hourofcode.com/sw>

Go

Exploring Sound





Exploring Sound

MakerShop





MakerShop

Starting Your Own Makerspace

Let's Talk About
Stuff

It's **NOT** About the
Stuff

Understand your learners.

Assess existing
curricula, programs,
and offerings.

Consider global trends
and best practices.

Download Presentation and Learn more:
www.learningcollaboratory.com



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