



# Timeless Learning

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@pammoran

Albemarle County Public Schools

**Beginning.**  
**WHEN YOUR  
COMMUNITY  
BECOMES  
A #HASHTAG**





A brick wall with colorful graffiti in the background. The graffiti includes a blue heart, a white hand, and a green star.

**Beginning.**

**WHAT WILL  
YOUR CHILDREN  
DO? What Will Your  
Teachers Do?**





# A King's Story

By  
Josh St. Hill

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# VUCA World



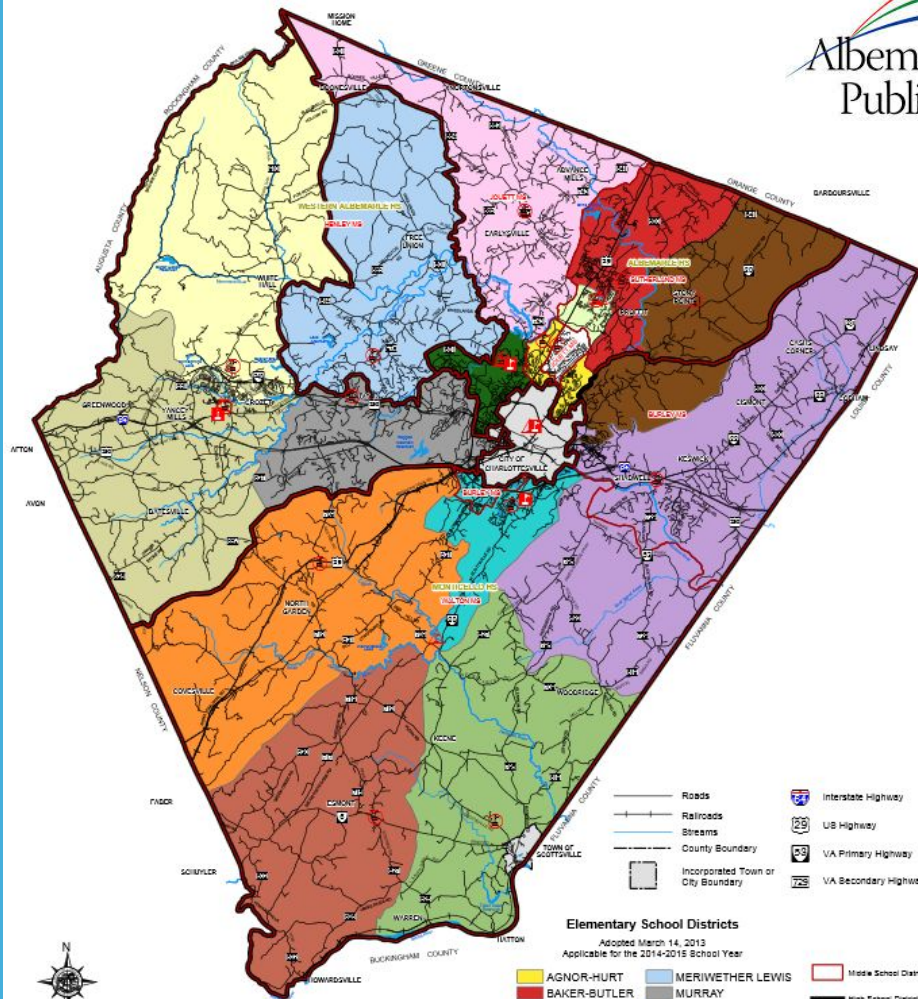
14,000  
Students

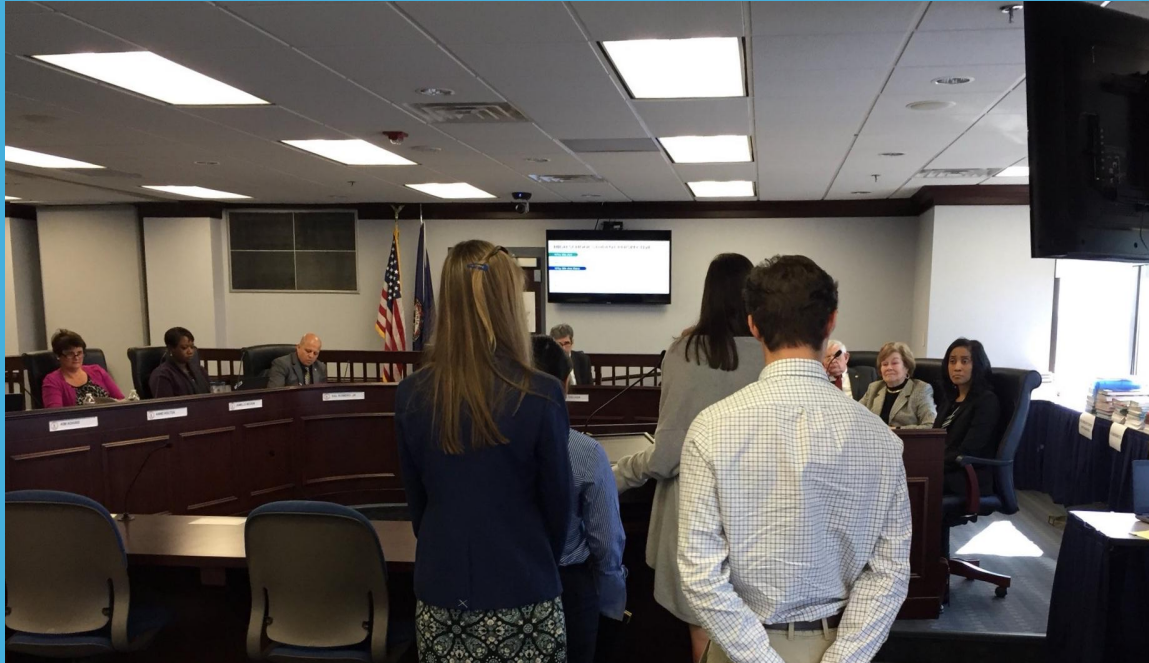
25 schools in 24  
buildings

Buses run 15,000  
miles daily

70% of area has  
no broadband

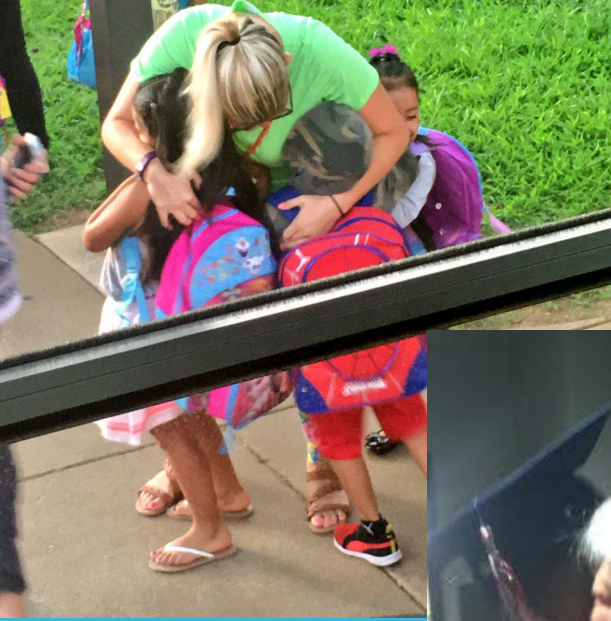
County of  
*Albemarle*





# Voice Agency Influence





# Social Emotional Learning

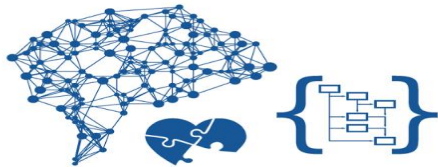
@AspenSead  
@CASELorg

# Top 10 skills

## in 2020

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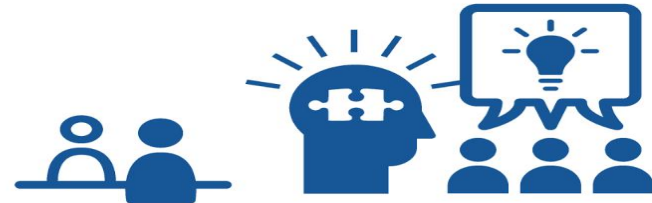
1. Complex Problem Solving
2. Critical Thinking
3. Creativity
4. People Management
5. Coordinating with Others
6. Emotional Intelligence
7. Judgment and Decision Making
8. Service Orientation
9. Negotiation
10. Cognitive Flexibility



## in 2015

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1. Complex Problem Solving
2. Coordinating with Others
3. People Management
4. Critical Thinking
5. Negotiation
6. Quality Control
7. Service Orientation
8. Judgment and Decision Making
9. Active Listening
10. Creativity







**IMAGINATION**  
**OBSERVATION**  
**ZERO-BASED THINKING**

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# ZERO-BASED DESIGN

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What if we were designing education from scratch? What would we do differently? How do we shift power?



# Shifting learning





# Shifting Teaching





# Shifting Space



# Shifting Power







2.

# IMAGINATION

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We refuse to accept  
unnecessary boundaries





LIVE SALTY

UNIVERSAL MITER SAW / PLANNER STAND

DEWALT













3.

# OBSERVATION

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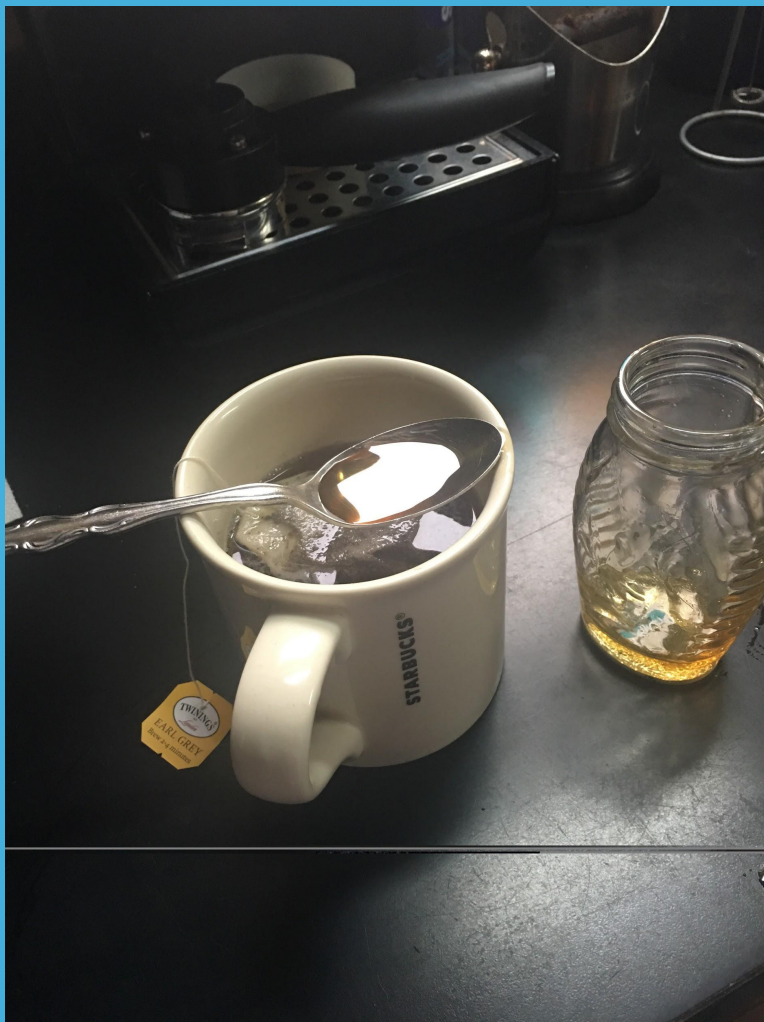
What do children do?  
How do children learn?

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Take Risks  
Shift  
Everything

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# KNOW YOUR BELIEFS

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We work to be clear and consistent in our message. What structures and processes matter?





# Our “Common Care”

Life Long Learner Competencies



# Our Lifelong Learning Competencies



Plan and conduct research.



Gather, organize, and **analyze data**, evaluate processes and products; and draw conclusions.



**Think** analytically, critically, and creatively to pursue new ideas, **acquire new knowledge**, and make decisions.



Understand and apply principles of **logic and reasoning**; develop, evaluate, and defend arguments.



Seek, recognize and **understand** systems, patterns, themes, and interactions.



Apply and adapt a variety of appropriate strategies to **solve** new and increasingly **complex problems**.

# Our Lifelong Learning Competencies



Acquire and use precise language to **clearly communicate** ideas, knowledge, and processes.



**Explore and express ideas** and opinions using multiple media, the arts, and technology.



Demonstrate **ethical behavior and respect** for diversity through daily actions and decision making.



**Participate fully** in civic life, and act on democratic ideals within the context of community and global interdependence.



Understand and follow a **physically active lifestyle** that promotes good health and wellness.



Apply habits of mind and metacognitive strategies to plan, monitor, and **evaluate one's own work**.



# Our “Common Path” Our Essential Beliefs

Commitments to Our Development  
Promises to Our Students

## Seven Pathways

**Maker-Infused Curriculum**  
**Interactive Technologies**  
**Universal Design for Learning**  
**Project-Problem-Passion-**  
**-Based Learning**  
**Connectivity**  
**Choice and Comfort**  
**Instructional Tolerance**





**If Our Desired UX is...  
What is our UI?**

**Student Choice  
Student Centered  
Opportunity Focused**

# Tilt Windmills





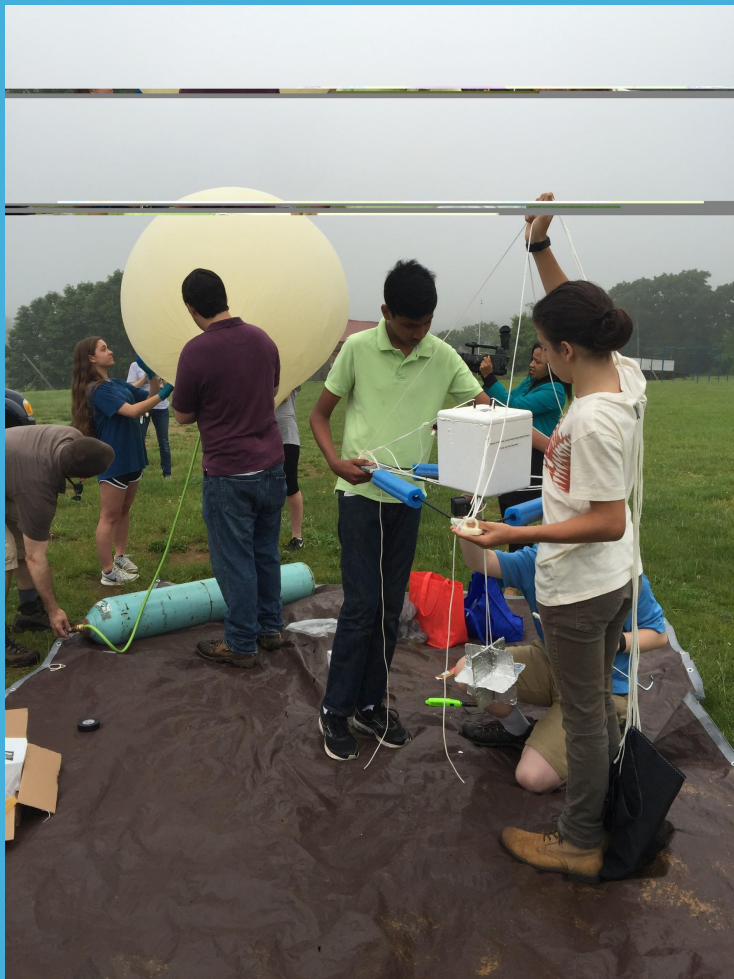


# Curriculum



# Assessment





# Instruction

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Start

Choices (4 Browsers)

More



Creative Suite

Ira Social [User Icon] [Power Icon] [Search Icon]

Accessibility Tools

Office Suite

Create



# Resources



# Strategic Design Structures

## **Invention**

curiosities,  
questions, ideas  
that fuel  
creative, rapid  
prototyping

## **Innovation**

scaling  
creativity as  
prototypes  
across the  
system

## **Strategic**

moving our  
creativity into  
systems-  
thinking

## **Operational**

embedding  
creative  
solutions into  
expected  
practice

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One-to-One was **invention** in 2010

*Now fully **operational** 3-12*

Eliminating elementary age-based grades  
was **invention** in 2015

*Now **strategic***

*VR is now **invention***

*High School redesign is now **innovation***

*Middle School Learning Labs are **strategic***



1.9

Construction

Marble Run

WJLP

Bull's Eye

ROBOT

BOULDER

BOULDER

$$\begin{array}{r} +101 \\ 105 \\ \hline 206 \\ 278 \\ \hline 484 \end{array}$$

$$\begin{array}{r} +101 \\ 100 \\ \hline 201 \\ 278 \\ \hline 479 \end{array}$$

$$\begin{array}{r} +29 \\ 36 \\ \hline 65 \\ +51 \\ \hline 116 \end{array}$$



Red	Gold
Mia	Luke
Sophie	Brook
Kiley	Tripp
Dylan	Maggie
Austin	Kamra
Ilyas	Camille
Kevin	Destiny
Koran	Kean
Fatima	Mariyah
Emily	Basil
Lauren	Nias
Keaton	Christian
	Maria Jose
	Trey
	Lee
	Walt
	Alden
	Slea

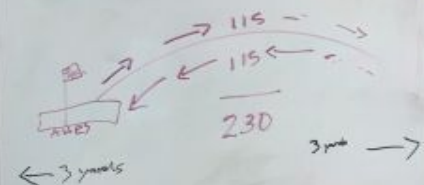
P: 2,992 miles

touch!  
By: Alden

Red = +  
Blue = -  
Yellow = light blue  
green = battery

High Temps in Feb

50 55 96 100 106



- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12

25 mg

$$\begin{array}{r} .72 \\ 36 \\ \hline 107 \\ 12 \\ \hline 119 \\ 18 \\ \hline 216 \end{array}$$

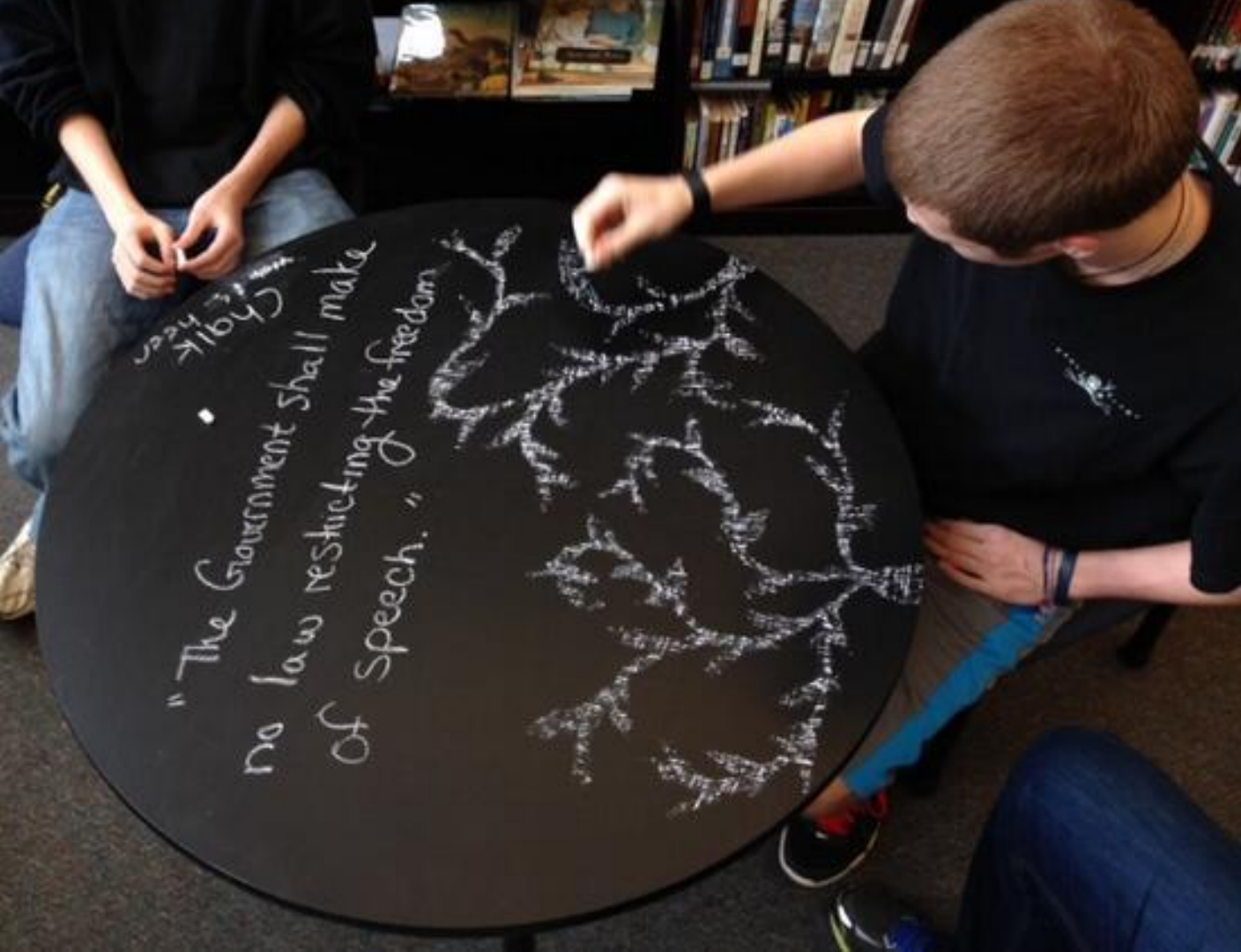
36

# Design Imperatives

- **Equity**
- **Transparency**
- **Sustainability**
- **Flexibility**
- **Learner-Centered Spaces, not Adult**
- **Mobility/Interactivity**
- **Multiage**



- **Learner-crafted Learning Environments**
- **Making Everywhere**
- **Project-Problem-Passion Spaces**
- **Choice and Comfort Options**
- **Inside/Outside Learning Connectivity**
- **Space design vs. Classroom design**



Chalkboard  
Chalk

"The Government shall make  
no law restricting the freedom  
of speech."









4.

# ALWAYS GET TO YES

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We try to eliminate “Yea, but...”

# One of our occasional Innovation Leadership Acronyms



# YELP

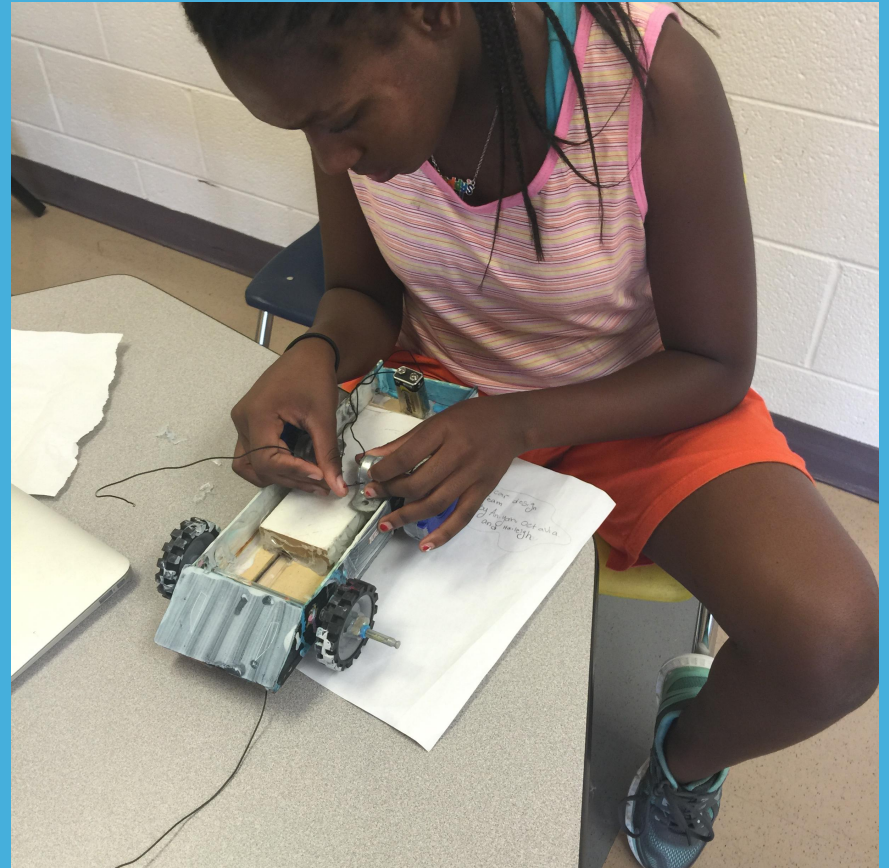
Get to **Y**es

**E**ngage Team

**L**everage

Resources

**P**rototype













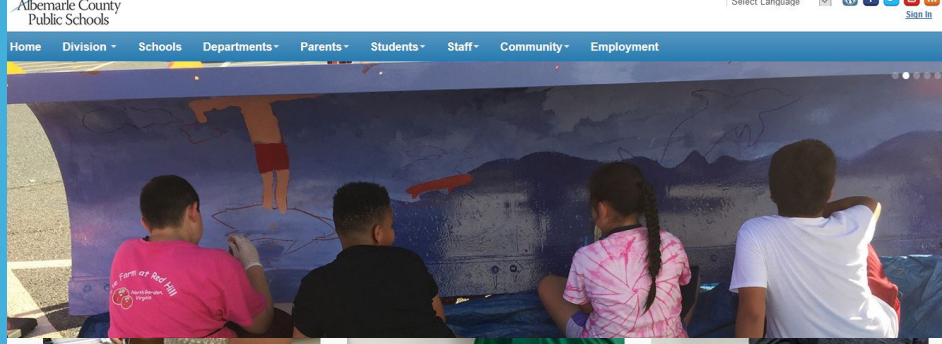


- Dale Daugherty of *MAKE*

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We tell our story everywhere,  
we honor those pedagogical  
entrepreneurs who do the work.





**Mia Shand** @mshand1 · 17m  
Learning about Kameado Dragons w/ the amazing explorer Braden @learnATW

Tell the Story

Twitter

Web

Facebook

YouTube

Instagram

Face to Face



















**"We too often consult our own convenience, rather than the comfort, welfare, or accommodation of our children" - *William Alcott* - 1832**







# Voice, Agency, Influence

[www.k12albemarle.org](http://www.k12albemarle.org)

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# Albemarle County Public Schools Virginia USA: Resources

[Lifelong Learning Competencies Albemarle](#)

<https://www2.k12albemarle.org/acps/division/Pages/Lifelong-Learner-Competencies.aspx>

[Digital Learning Albemarle](#)

<https://www2.k12albemarle.org/dept/dart/digital-learning/Pages/default.aspx>

[Seven Pathways Albemarle](#)

<https://www2.k12albemarle.org/dept/dart/digital-learning/Pages/Seven-Pathways.aspx#&panel1-1>

[Space Modernization](#)

<https://www2.k12albemarle.org/dept/osp/facilities-planning/Pages/Learning-Space-Modernization.aspx>

# Blog Post Resources

Ira Socol:

<https://medium.com/@irasocol/your-schools-ux-what-is-it-and-where-to-start-c9922768b01d>

<https://politicsmeanspolitics.com/how-will-you-redesign-your-school-over-the-next-six-months-8028bea325cb>

<https://medium.com/@irasocol/watching-children-learn-9b7df4fbcfb3>

<https://medium.com/@irasocol/how-making-a-mess-is-essential-to-learning-70df22d0a2f4>

<https://medium.com/@irasocol/what-professional-learning-or-just-learning-looks-like-140cdaaab5c3>

<https://medium.com/@irasocol/everybody-learns-differently-4b02c8c603c5>



# Blog Post Resources

Pam Moran:

<https://spacesforlearning.wordpress.com/2017/07/24/when-kids-make/>

<https://spacesforlearning.wordpress.com/2017/06/24/habitable-worlds-of-learning/>

<https://spacesforlearning.wordpress.com/2017/01/16/thinking-beyond-the-school-box-inspired-architecture-contemporary-learning/>

<https://spacesforlearning.wordpress.com/2015/05/03/in-the-middle/>

<https://spacesforlearning.wordpress.com/2016/05/07/getting-to-yes/>

<https://medium.com/synapse/hacking-high-school-8377053ae75>

# More About Albemarle Schools: Innovation by Design

Albemarle Anthologies:

[Albemarle County Public Schools Background and Resources](#)

A Website by Bob Pearlman

<http://www.bobpearlman.org/Learning21/albemarle.htm>