Making the 5 Cs Come Alive in an Elementary Makerspace
Kristin Bolam - kbolam@ycsd.york.va.us - @krbolam
Heather Long - hlong@ycsd.york.va.us - @fbheather1
Web Content Available for this Presentation

http://mvemakerspace.weebly.com/
Making the 5 Cs Come Alive in an Elementary Makerspace
Kristin Bolam - kbolam@ycsd.york.va.us - @krbolam
Heather Long - hlong@ycsd.york.va.us - @fbheather1
The Profile of a Virginia Graduate
Content Knowledge

Academic Knowledge & Technical Knowledge
Workplace Readiness Skills

- Integrity
- Information Security
- Career & Life Management
- Job-Specific Tools & Technologies
- Continuous Learning & Adaptability
- Mathematics
- "Big Picture" Thinking
- Work Ethic
- Reading & Writing
- Professionalism
- Listening & Speaking
- Teamwork
- Efficiency & Productivity
- Workplace Safety
- Information Literacy
- Information Technology
- Initiative & Self-Direction
- Conflict Resolution
- Creativity & Innovation
- Critical Thinking & Problem Solving
- Service Orientation
- Respect for Diversity
Community & Civic Responsibility

Build Connections & Value for Interactions with Diverse Communities
Career Planning

Develop understanding of strengths (knowledge, skills, personal interests) & Align with career options
Making the 5 Cs Come Alive in an Elementary Makerspace
Kristin Bolam - kbolam@ycsd.york.va.us - @krbolam
Heather Long - hlong@ycsd.york.va.us - @fbheather1
Critical Thinking

*Education is not the learning of facts, but training the mind to think.*

- Albert Einstein
Creative Thinking

Instead of thinking outside the box, get rid of the box.

- Deepak Chopra
Communication

“...appreciate the text, Kate, but next time you can just raise your hand.”
Collaboration

Working collaboratively in teams is a wonderful experience for students and provides opportunities for students to develop social and life skills that will serve them well.

- Dr. Spencer Kagan
Citizenship

*Education is the most powerful weapon which you can use to change the world.*

- Nelson Mandela
MVES MakerSpace

Creativity
* Design, make, innovate, invent!

Collaboration
* We work together with open minds!

Critical Thinking
* Problem solving!

Communication
* We speak respectfully, articulately, and kindly!

Citizenship
* We show good character and WE CARE for each other!
Making the 5 Cs Come Alive in an Elementary Makerspace
Kristin Bolam - kbolam@ycsd.york.va.us - @krbolam
Heather Long - hlong@ycsd.york.va.us - @fbheather1
The Maker Movement...
The Maker Movement...
A Moment of Inspiration
Core Beliefs:
- Equity
- Increase Teacher Capacity
- Integrate 5 Cs
Facility
Staff Training & Support

Math Buddies
Planning Team
STEAM Day
Extracurricular Activities
  - STEM Clubs
  - First Lego League
  - Coding Club
Scheduling & Staffing

Week 1: come in Monday morning with ETF - students will learn and practice a new skill in the rotations provided

Week 2: come in Monday afternoon with para-educators - students will continue to practice skills from last week

Week 3: no MakerSpace session

http://mvemakerspace.weebly.com/schedules.html
Making the 5 Cs Come Alive in an Elementary Makerspace
Kristin Bolam - kbolam@ycsd.york.va.us - @krbolam
Heather Long - hlong@ycsd.york.va.us - @fbheather1
MVES Makerspace: Opening Day
Making the 5 Cs Come Alive in an Elementary Makerspace
Kristin Bolam - kbolam@ycsd.york.va.us - @krbolam
Heather Long - hlong@ycsd.york.va.us - @fbheather1
Curriculum

- Student Choice
- Computer Science Standards
- Cross-Curricular Connections
Making the 5 Cs Come Alive in an Elementary Makerspace
Kristin Bolam - kbolam@ycsd.york.va.us - @krbolam
Heather Long - hlong@ycsd.york.va.us - @fbheather1
Curriculum in Action

and planning an engineering project
and planning an engineering project
Making the 5 Cs Come Alive in an Elementary Makerspace
Kristin Bolam - kbolam@ycsd.york.va.us - @krbolam
Heather Long - hlong@ycsd.york.va.us - @fbheather1
Still Not Sold?
Making the 5 Cs Come Alive in an Elementary Makerspace
Kristin Bolam - kbolam@ycsd.york.va.us - @krbolam
Heather Long - hlong@ycsd.york.va.us - @fbheather1