What do you know about the following?
• Artificial Intelligence
• Robotics
• Autonomous vehicles
• Internet of Things (IoT)
• Nano-technology
Automation has big consequences for education

• Computers can follow directions better, faster, and cheaper than human beings, and the number of tasks computers can do grows every year.
• Any curriculum that emphasizes following directions to find a single correct answer is, by definition, preparing students for jobs that probably will not exist by the time those students graduate.

“To educate our children to compete with either a computer [is to educate them for] a competition they cannot win.”

—Frank Levy and Richard Murnane
• In the Economic Report of the President (2016) White House economists forecasted an 83 percent chance that workers earning less than $20 per hour will eventually lose their current jobs to automation. These economists also estimate that those who earn between $20 and $40 per hour face a 31 percent chance of being replaced, whereas those earning more than $40 per hour have a much smaller chance of replacement, with estimates being as low as 4 percent.
Quiz Time

The largest taxi company owns no taxis.
Answer: Uber (2009)

The largest accommodations provider owns no real estate.
Answer: Airbnb (2008)

The most valuable retailer has no inventory
Answer: Alibaba (1999)

The most popular media platform creates no content
Answer: Facebook (2004)

The largest movie house owns no cinemas.
Answer: Netflix (1997)
More Important in the 21st Century:

- Postsecondary education and training
- Academic knowledge and skills
- Practical literacies: The ability to use knowledge of math, English, science, civics etc. to meet real-world challenges and/or problems.
- Broader competencies: Critical thinking and problem solving, communications and collaboration, creativity, self-sufficiency etc.

Common Theme: Our Student’s need to be able to read, write, and think!
Assessments

- SAT, ACT, PARCC, MISA, HSA Government, AP exams all in high school
- Armed Services Vocational Aptitude Battery (ASVAB). (Military)
- HCC Placement Tests (Community College)
- Towson Placement Tests (4 year college)
- Maryland Department of Labor (career path)
Assessments at BMS

- PARCC ELA/MATH (6-8)
- MISA (8)
- Previ-Learn
- SRI
## BMS MISSION STATEMENT

**CONNECT! INSPIRE! ACHIEVE!**

<table>
<thead>
<tr>
<th><strong>CONNECT! BELIEF STATEMENTS</strong></th>
<th><strong>INSPIRE! BELIEF STATEMENTS</strong></th>
<th><strong>ACHIEVE! BELIEF STATEMENTS</strong></th>
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<tbody>
<tr>
<td>We believe in building caring and positive relationships.</td>
<td>We believe in creating an atmosphere that promotes inquiry, confidence, and initiative.</td>
<td>We believe in helping students to identify and rigorously pursue their full academic and personal potential.</td>
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<td>We believe in clear, concise communications among all members of the BMS community with a common focus on student success.</td>
<td>We believe enthusiasm and relevant instruction is contagious.</td>
<td>We believe in fully developing the skills necessary to make a positive difference in the local and global community.</td>
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<td>We believe in utilizing available technology and research-based methods to establish and maintain connections with students.</td>
<td>We believe in empowering students to be life-long learners.</td>
<td>We believe in modeling by teaching creative and critical thinking skills.</td>
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<td>We believe in nurturing the ability to apply knowledge to real life experiences.</td>
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