



Phone: (800) 822-4048 | Fax: (888) 926-0418 | www.mossent.com

At Moss, we partner with leaders in teaching and education so we can deliver cutting-edge solutions. We put innovation in the hands of your students, and help you deliver measurable results with interactive, hands-on solutions for education.



STEM Curriculum

Renewable Energy



3 D Printing

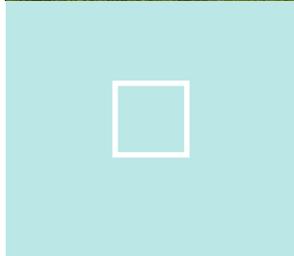


EDUCATIONAL SOLUTIONS

Science in 3D



Furniture



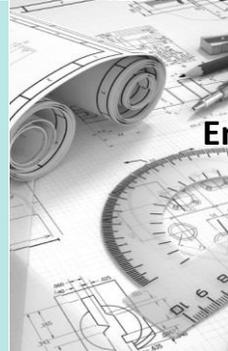
Agriculture



Robotics



Engineering



Welding



Advanced Manufacturing



Math





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## STEM Solutions for K-12

### Consider the statistics:

- ☐ **4 in 5 STEM** college students say they decided to study STEM in high school or earlier
- ☐ **1 in 5 STEM** college students say they decided to study STEM in middle school or earlier
- ☐ **Science interest** and ability are color blind and gender-neutral

**The evidence is clear**—the earlier you introduce a student to STEM, the higher the likelihood that they will pursue STEM-related careers later in life. Moss helps schools drive STEM education, as early as elementary and middle school, with robust curriculum and teaching tools designed for the 21st century learner.

STEM **integrates** science, technology, engineering, and math, and focuses on providing real world learning opportunities through experiential learning.

Moss helps schools create **critical thinkers** and **problems solvers** by providing smart curriculum solutions. Curriculum provides real-world challenges to engage learners with the subject matter.

Students are exposed to career connections early. All STEM solutions are **standards-based**, designed to meet or exceed the rigors of state and national standards, including NGSS, ITEEA and Common Core.

Whether you need to **integrate technology** and hands-on coursework, create a **Makerspace**, or implement a robust **curriculum**, Moss has a cost-effective solution for your students.

### Career Ready

Potential Student Career Paths:

- ☐ Engineer
- ☐ Doctor
- ☐ Electrician
- ☐ Interior Designer
- ☐ Meteorologist
- ☐ Wind Turbine Technician
- ☐ Entrepreneur



## Our Partners:





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# Career and Technical Education Solutions for K-12

## Career Ready

**Fastest-growing and highest-paid jobs:** According to the [Bureau of Labor Statistics Occupational Outlook Handbook](#), many of the fastest-growing jobs through 2022 will be in CTE fields, including health care, the skilled trades, STEM, IT and marketing. Many of the highest-paid jobs are also in fields for which CTE prepares students, including health care, STEM, architecture, IT and marketing.

Career and Technical Education (CTE), Industrial Technology, Skills-Based Learning – you can help students combat the skills gap, and train for **highly rewarding careers**. Moss provides skills-based curriculum to drive CTE programs into the **21st century**, helping districts ensure students will have the skills to succeed at the next level, whether college or career. The skills in these programs are applied courses that offer **transferrable certifications**. Curriculum has a strong STEM focus, and is a career building block students need to succeed.



Classroom solutions are hands-on, **skills based**, and affordable. We represent some of the most recognizable names in technical education, which ensures your students will truly be ready for their **next challenge** upon graduation.

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# Career and Technical Education Solutions for Colleges

**The Need for Skilled Workers:** According to the Skills Gap Report, a majority of respondents identified a shortage of qualified skilled production employees including **machinists, operators, and technicians**. A skilled workforce is vital to the success of any manufacturer competing in this global economy.

**The Solution:** Today's cutting-edge career and technical education (CTE) is rigorous, and prepares students for a wide range of high-wage, high-skill, **high-demand careers**. Students will be able to apply the 21st century skills learned in your classroom immediately upon entering the workforce.

Moss has the solution - we can help you implement the right programs that are in demand regionally, and ensure students marketability in the local job force. Moss can provide access to **industry recognized certifications** and **stackable credentials** for students entering the workforce, through partnerships with the following industry leaders:

- NIMS
- MSSC
- U.S. Department of Labor



## Career Ready

According to the Association for Career and Technical Education, a person with a CTE-related associate degree or credential will earn on average between \$4,000 and \$19,000 more each year than a person with a humanities associate degree.

## Our Partners:



Moss | Educational and Industrial Training Solutions | 1248 8<sup>th</sup> St #101 West Des Moines, IA 50131 | (800) 822-4048 | www.mossent.com

\*Not all products available in every state. Verify coverage with your Education Specialist.