



Trane STEM and Technical Education

Providing hands-on learning
for future professionals



When you invest in your school's infrastructure, you invest in your students' futures as well.

Trane® can help you create a better learning environment where the school becomes a living, hands-on learning lab and provide relevant program curriculum to round out your student education with practical skills for when they graduate.

Our educational emphasis:

- Teaches students of all levels the basics of energy
- Creates excitement around a future career in STEM
- Engages students in decisions affecting their school's energy use
- Builds real-life skills in technical education with industry-recognized certifications

BTU Crew™: A curriculum from elementary through high school

Promotes an early interest in energy and STEM

Studies show that kids can develop life-long preferences at an early age. By the 4th grade, 1/3 of boys and girls have lost an interest in science. By 8th grade, almost 50% have lost interest or deemed it irrelevant to their education or future plans.*

That's why Trane's educational offerings are geared to begin early. The BTU Crew™ encourages interest in science, technology, engineering and math (STEM), and helps students learn ways to take action on energy efficiency. The BTU Crew™ is:

- Interactive and engaging
- Customizable and adaptable
- Available in Grade 4+ and Grade 8+ versions



Provides hands-on learning through digital solutions

Easy-to-use interactive digital tools give students an engaging, visual way to learn the concepts of energy efficiency and sustainability by understanding the energy use in their own school. Students can design the dashboard metrics and track results toward energy and carbon footprint goals, giving them a deep understanding of the dynamics of energy and advancing their analytical and problem solving skills.



Designed for ultimate flexibility

The BTU Crew™ curriculum is divided into modules—typically taking 50-60 minutes each—and can be modified if necessary for easy integration with your current programs. Modules include lesson plans, worksheets, vocabulary and a closing challenge to learn beyond the lesson for:

- Energy 101
- Energy Usage
- Career Exploration
- Impact of Energy
- Energy Usage in Buildings
- Energy Audit and Performance Analytics

* <https://www.usnews.com/news/articles/2011/08/29/stem-education--its-elementary>



NC3: Offering dual credits while preparing high school students for energy-related careers

Trane is a proud national energy sponsor of the nonprofit National Coalition of Certification Centers (NC3), a network of educational institutions, business partners and industry leaders.

Working with your career technical education (CTE) department, through NC3, Trane can provide hands-on technical training before your students move on to their next stage of education. If applicable, students can receive credit toward their high school diploma while simultaneously earning credit toward tech training in the future—an attractive opportunity that can help increase your enrollment and post-graduation placement rates.

Create an advanced learning environment for your students

Your infrastructure project can meet not only your energy KPI goals, but also enhance your institution's standing as an educational leader. Imagine classrooms with advanced HVAC, building-automation and energy-related technology available for hands-on instruction, promoting problem-based learning and setting your students up for greater success.

State-of-the-art equipment and training materials can help attract students and their parents, as well as local and national industry leaders, interested in partnering with a school that can deliver a skilled workforce.

Integrating the training available from Trane with your infrastructure turns your institution into a living, learning classroom, helping to engage and motivate students—the students who will become the energy leaders of tomorrow.

In short, Trane's educational offerings prepare students for a bright future and help build the workforce of tomorrow.

Contact your local account manager to create a program
and learning lab that's tailored to your schools' needs.

Learn more at trane.com



Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments through a broad portfolio of heating, ventilating and air conditioning systems and controls, services, parts and supply. For more information, please visit trane.com or tranetechnologies.com.

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