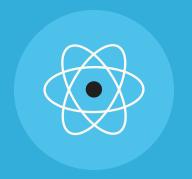


Built for learning



Considering a STEM environment?

It's only logical to create STEM (Science,
Technology, Engineering and Mathematics) learning
environments with the support of the latest
advancements in the field of education. Experts in
this area report STEM environments perform best
when they foster collaboration among students. To
achieve this, they should convey a sense of openness
and creativity.

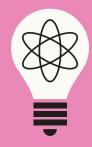
View our Smith System® STEM Fly Through Video Here.





Where to begin?

Start thinking in terms of three rooms. Room One, the Classroom: Here, students focus primarily on Math and Engineering subjects. Room Two, the Commons: Here, students freely collaborate and learn from each other. Room Three, the Lab: Here, students focus primarily on Science and Technology – from robotics to chemistry.



Smith System furniture is uniquely suited to make your STEM environment as effective as it can be. Our Interchange® Wing Desks, pictured in these pages, allow students to work individually or in groups. Similarly, our Numbers™ Seating and Flavors® Seating provide versatility in seating choices that extend beyond aesthetics. The need for power and connectivity for student devices is met through innovative products like our Powered Cafe Tables, and Multimedia Tables. Cascade® Storage Cabinets allow teachers to manage classroom materials and projects of all kinds.

Inspiring and educating our next generation of doctors, scientists and innovators is no small task – but effective learning environments that meet their needs can only help fuel their curiosity and enhance their sense of discovery. We realize every school is different, and there's no one-size-fits-all solution. That's why we'd love to talk about how we can help you create the most effective learning environment for your students.



Classroom

Students receive instruction in an area integrated with the lab and commons.

Lab

Designed to allow students to see demonstrations, work alone or in groups.



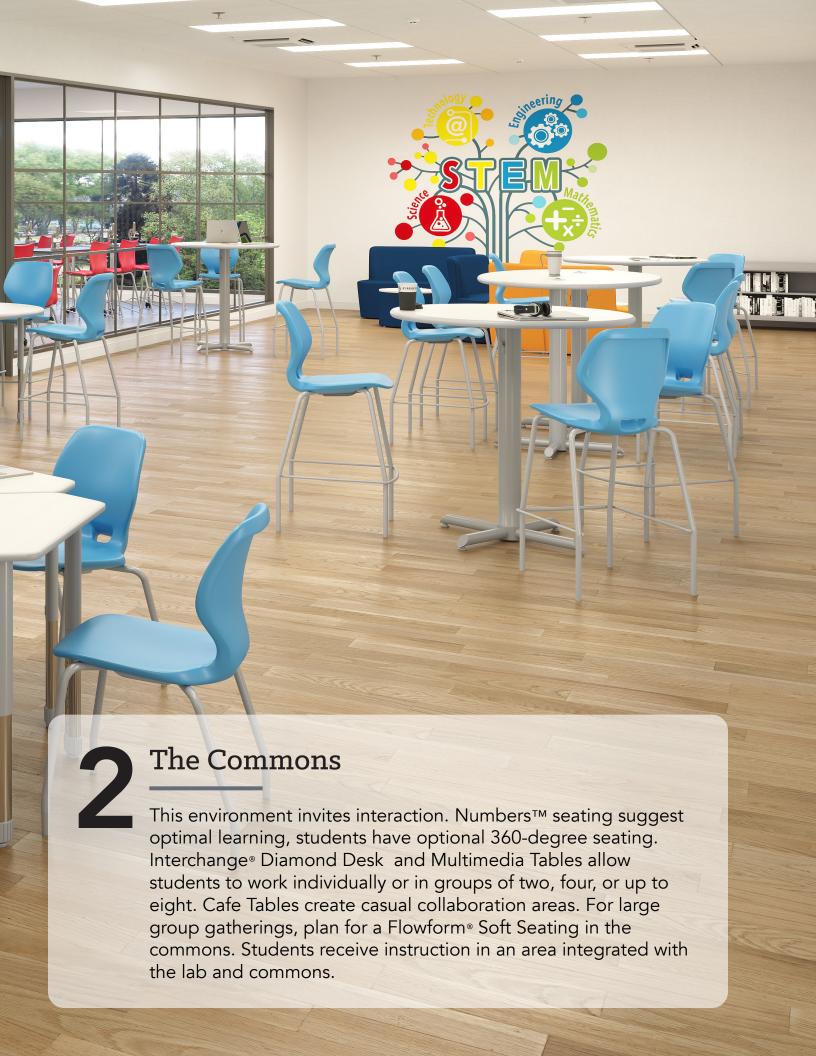
Commons

Students collaborate in this relaxed environment sharing, discussing and questioning.













What are the key environmental elements?

Make sure the furnishings in the room contribute to student engagement with the subject. One fundamental way of doing this is assuring the furniture and classroom layout are compatible with the method of STEM teaching your school has adopted. If your school has adopted collaborative learning or other active inquiry based methods, be sure you have the appropriate desks and chairs – ones that lend themselves to working in small groups.



Desk & Tables

In project-based learning, students work in groups. Student desks or tables must be capable of being arranged into compact pods to accommodate six to eight students. Here, flexibility and the ability to rearrange the desks for uses in multiple ways is key. So look for desktops that taper from back to front, approximating a piece of pie. When gathered, this shape allows a tight circle to be formed, which encourages participation on the parts of all students in the group. The desks can also be arranged in smaller groups or totally separated for individual work or testing.



Multimedia Tables

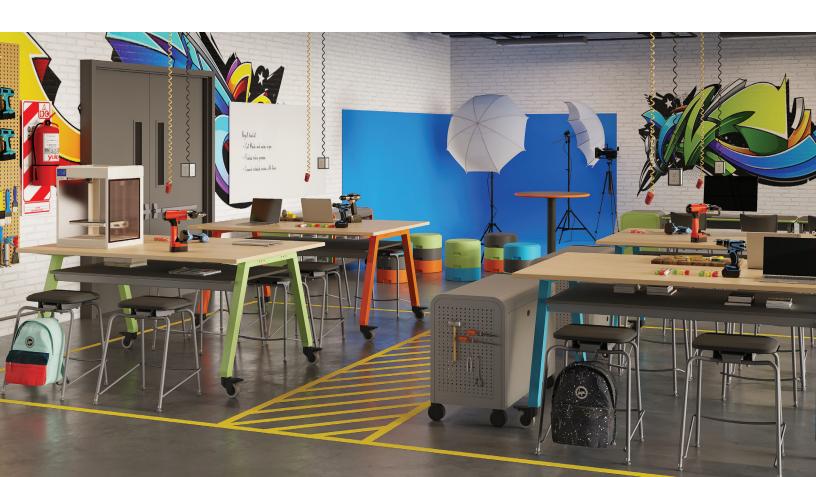
Our Multimedia Tables handle 6 students and its shape allows all 6 unobstructed visual access to a monitor. The table can be used at 34" high and the students can sit on stools (or stand) or it can be at standard sit-down height. Other Smith System Tables can be combined in creative ways for a STEM environment. For example, you can start with a 60" Half-Round Table and add 30" x 60" (or 30" x 72") Rectangle Tables, which adds flexibility and reconfigurability to the STEM classroom.



Art Tables

For STEAM programs, Smith System offers tables expressly made to stand up to the needs of an art studio. Their large work surfaces offer added durability and their frames, extra strength to provide stability and add support for projects using heavy media like below. Casters are key for adding mobility and flexibility. Consider highly mobile, oversize tops such as 42x90 Planner, Interchange® Tables or Silhouette® Sit+Stand Desk.





Science Tables

If your science classroom or lab will be using chemicals and heat, be certain that the work surfaces can stand up by choosing a Smith System Science Table with a Trespa® TopLab® Plus work surface.

Moreover, Smith System Science Tables provide the large work surfaces, strength and stability needed to support heavy materials. They can be fitted with optional casters for the greatest flexibility. Another option is to create some height in the lab with stand-up height tables at 34" high, available in the Planner® and Interchange® lines. These pair perfectly with 24" Fixed-Height Stools in either the Numbers™ Flavors® or Groove® lines.





Seating

Can seating really make a difference in a collaborative learning environment? We believe so. Students in an environment like this need to be able to interact with students all around them and any chair that doesn't help them do this becomes a hindrance on the learning process. To facilitate learning in STEM classrooms, Smith System seating lines offer a range of movement and a range of seating positions.

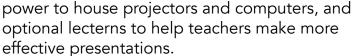




Storage & Presentation

Project-based classrooms need a means for organizing project materials. That is the reason Smith System Cascade® Storage exists. Educators can organize, store, manage and distribute project materials, or 3D manipulatives from the Cascade Unit to the student's desk or to the teacher's desk.

The individual units are available in nine sizes and offer an incredible degree of customization, so the school can tailor the capacity and functionality to their own needs. A few options include, casters to provide easy mobility, locking doors and











Connectivity

Because STEM classes make great use of technology, students need the ability to connect with data and other resources. Optimized STEM classrooms allow students to have power for their computers or tablet devices as well as WiFi. To this end, Smith System offers several options to allow you to tailor the connectivity to your classrooms' needs. In surface power options are available for almost all tables.

Smith System®

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