Beginning in the 2016-17 school year, the East Troy Community School District will have a certified SmartLab™ in Prairie View Elementary and the East Troy Middle School. A new preK-2nd grade elementary building is currently being constructed. When the building opens for the 2017-18 school year, it will also contain a certified SmartLab™. SmartLabs™ are an engaging program where students explore STEAM through project base learning and applied technology. It's a fully integrated learning environment where everything from curriculum, activities, hands-on assessments, technology and furniture all work together to support hands-on, minds-on learning. It is a place that ensures critical thinking, creativity, collaboration, communication, and content all toward supporting a personalized learning environment by highly engaging all ages.

> "A SmartLab has no boundaries. A place with no boundaries means kids exceed anything you ever expected."
>
> *Courtney Miller, SmartLab Facilitator, Slavens K8 School*

Pictures originated from the SmartLab™, Creative Learning Systems Brochure.

Learning Launchers™

"Our innovative curriculum forms the foundation of SmartLab™ learning. We call them Learning Launchers™. With over 300 Learning Launchers in more than 60 content areas, students explore a wide range of projects and challenge levels. This engaging online curriculum is accessed through the LaunchPad navigation system, a user- friendly interface, customized for each SmartLab™ based on its design and educational goals." -Creative Learning Systems

Alternative Energy: Renewable | Solar Energy | Wind power | Hydrogen Fuel Cells

Circuitry: Arduino | MaKey MaKey | Pneumatics | Snap Circuits Electricity & Electronics

Computer Graphics: Doodle 4 Google | Google Art Project | Illustrator | Image Blender | Irfanview | Photoshop | Photoshop Elements | Picasa | Punch Home Design Suite | SketchUp | Tinkercad

Digital Communications: ACID Music Studio | Camtasia | CrazyTalk | CrazyTalk Animator | Dreamweaver | Flash | Garage Band | Google Sites | PowerPoint | Publisher | STEM Career Exploration | Video Production

> "It's a robust learning environment for students that's relevant, rigorous, tied to core academics and aligned to standards."
>
> *Diana Zakhem, Postsecondary & Workforce Readiness Coordinator, Englewood Schools*

Mechanics and Structures: fischertechnik Mechanic + Static | IQ Key | K'nex | Bridge Designer | Zometool

Robotics and Control Technology: fischertechnik Robotics | Lego EV3 | Sphero | VEX Robotics

Scientific Data and Analysis: ArcGIS Online | Astronomy with MicroObservatory | Extreme Weather and Monster Storms | GIS Websites | Google Earth | Jet Stream 500 Wind Tunnel | Laser Technology | Vernier Scientific Sensors | Vernier Structures Tester

Software Engineering: App Inventor 2 | Digital Sandbox | Kodu Game Lab | Scratch 2 | Stencyl | TouchDevelop

EAST TROY
COMMUNITY SCHOOL DISTRICT
Committed to the Growth & Success of Each Student, Each Year

Creative Learning
systems

SmartLab™

What's a SmartLab?

> **"It's like a gymnasium for critical thinking."**
>
> *Tom Delgado, Principal,*
> *Prairie View Middle School*

It's an engaging program where students explore STEM and media arts through applied technology and project-based learning. It's a fully integrated learning environment where everything from furniture and technology to curriculum and assessment work together to support hands-on, minds-on learning. In a SmartLab, personalized learning and intrinsic motivation engage students of all ages, interests and abilities. There are SmartLabs for elementary, middle and high schools. There are SmartLabs that emphasize STEM, media arts or a blend of both. And in every one, students are creating remarkable projects that motivate them to inquire, explain, tackle new problems and celebrate their solutions. In a SmartLab, learners apply a wide range of technologies to age-appropriate projects that matter to them personally and academically. Authentic assessment and meaningful reflection happen every day as students create ePortfolios to document and share their learning. Students explore. They problem-solve. They collaborate and create. Most importantly, they learn. It's what happens when we put educational technology where it belongs…in the hands of students.

Engaging STEM for all Learners

We live in a world where science, technology, engineering and math (STEM) play a critical role in every job, every home, and every aspect of advanced learning. The integration of STEM disciplines is critical for all students, not just those who are naturally proficient in math and science. Successful STEM programs engage students of all interests and abilities. They thrive because learning is truly personalized—individualized, differentiated and relevant to their unique interests and experiences. High energy and deep engagement are part of every school day in SmartLabs throughout the U.S.

A Solid Foundation for College and Career Success

Success in higher education and the modern workplace also requires that students master next generation skills like communication, collaboration, critical thinking, problem solving, information literacy, and adaptability. Balancing traditional academics with the need to develop these skills is one of the most important challenges facing educators today.

SmartLab Delivers a Fully Integrated Solution

A SmartLab is an innovative combination of curriculum and assessment, hardware and software, furniture, equipment, construction kits, professional development and ongoing support. It's a fully integrated, complete solution, so schools and districts can focus on their students rather than designing and procuring content, equipment and supplies.

And SmartLabs engage learners like nowhere else in school.

Walk into a SmartLab and you'll see students buzzing with energy and enthusiasm. It's a learning community where the teacher is a facilitator and students take responsibility for their own learning. Autonomy is encouraged, collaboration is the norm, and problems are celebrated as a path to mastery. SmartLabs engage learners as they apply technology to projects

> **"Our mission is to empower, explore, encourage, and excel in education. This happens every day in the SmartLab."**
>
> *Patricia Dierberger, Principal,*
> *Rocky Heights Middle School*

they design, make academic connections and develop the skills they need for college and career success.

All content on this page originated from the SmartLab™, Creative Learning Systems Brochure.