



L&N STEM  
Academy

L&N STEM ACADEMY  
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## What is STEM?

The acronym STEM references Science, Technology, Engineering, and Mathematics. The essential element of high quality STEM education is not a narrow focus but an open-minded and disciplined way of thinking empowered by scientific reasoning, technological expertise, engineering design, and mathematical logic.

## STEM Habits

The members of the L&N STEM Academy community practice the habits of Inquiry, Design, Professionalism, Innovation, Critical Thinking, and Collaboration. These six habits are infused through all content and curricula, as essential 21st century skills, allowing students to be successful collegiate scholars and community members once they graduate.

## Unique Rigorous Curriculum & Academic Opportunities

In addition to TN State and Knox County Schools requirements, all L&N STEM Academy students experience a rigorous curriculum where content integration and STEM Habits are emphasized to promote readiness for learning at any post-secondary level.

Also Design Thinking-based curriculum, all students will complete at least two years of Latin as their foreign language courses. Research shows that students who study Latin, the language of science, score higher on the ACT and SAT than other students and have better deductive reasoning skills.

## Culture of Learning

The L&N STEM Academy also offers a robust set of electives including Fine Arts (visual and performance), 21 different AP subjects in all core areas and Fine Arts, pre-engineering, and computer programming. Student performance on national assessments earned the L&N level from from to gold over the last three eligible years in U.S. News & World Report and a spot in Newsweek's top 500 schools for Minority Achievement in the same three years.

Carpe Scientiam, our school motto, was created by our founding faculty and translates from Latin as "Seize the Knowledge". As Knox County School's first stand-alone magnet school, all students have made the decision to leave his or her zoned school to be a part of the L&N experience. The phenomenon provides a culture with a focus on learning by all students and faculty members.

## Technology-Infused Learning Environment

Students at the L&N STEM Academy experience learning in a nearly paperless environment where technology is the primary tool used to deliver instruction.

Each student is provided with an MacBook Air that serves as textbook, notebook, and organizer. They communicate with their teachers using school email accounts and turn in assignments using the online learning platform Canvas. As Tennessee's first Apple Distinguished School, technology is seamlessly integrated as a tool for productivity at all levels and all aspects of a student's experience here.

## Extracurricular Activities

The L&N STEM Academy offers many extracurricular opportunities to its students.

A partial list includes:

- *FIRST Robotics*
- *Key Club*
- *Model United Nations*
- *Mu Alpha Theta*
- *National Art Honor Society*
- *National Honor Society*
- *Science Olympiad*
- *Student Government Association*
- *Technology Student Association*

## Athletics

We also field 5 TSSAA-sanctioned sports for both boys and girls teams.

- *Bowling*
- *Cross-Country*
- *Golf*
- *Tennis*
- *Track and Field*

There are also competitive club teams like swimming, diving, and water polo, among others. All extracurricular activities are generated from student interest.

## Want to know more?

Check our Website, Contact us via phone or visit our website to set up a tour.

On Social Media: Twitter @LNSTEMAC or find us on Facebook at L&N STEM Academy.