



L&N STEM ACADEMY

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L&N STEM
Academy



Inspire.
Empower.
Impact.

CARPE SCIENTIAM



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 they are essential 21st century skills, allowing students to be successful collegiate scholars and community members once they graduate.

Unique Rigorous Curriculum

In addition to Knox County Schools requirements, all L&N STEM Academy students will experience a rigorous curriculum where content integration and STEM Habits are emphasized.

Academic Opportunities

In addition to 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), 19 different AP subjects in all core areas and Fine Arts, pre-engineering, and computer programming. Student performance on national assessments earned the L&N a Bronze level in US News & World Report and a spot in Newsweek's top 500 schools for achievement with minorities in our first year of eligibility.

Carpe Scientiam, our school motto, created by our founding faculty 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. This 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 iPad or Mac Air that serves as textbook, notebook, and organizer. They communicate with their teachers using school email accounts to turn in assignments using Canvas, an online learning platform. 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
- Student Government Association
- Technology Student Association
- Model United Nations
- National Honor Society
- National Art Honor Society
- Mu Alpha Theta

Athletics

We also field four TSSAA-sanctioned sports for both boys' and girls' teams including:

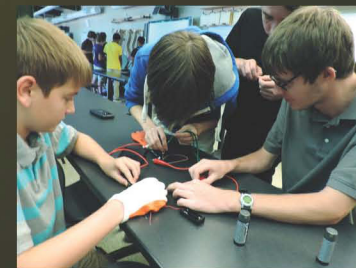
- Golf
- Tennis
- Cross-Country
- Track and Field

There are also competitive club teams like swimming & diving among others. All extracurricular activities are generated from student interest.

Want to Know More?

Check our Website

<http://www.knoxschools.org/landn>
or call our office at (865) 329-8440
and ask about school tour schedules



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