



# WHO WE ARE

## ABOUT US

The **MISSION** of Moore Magnet is to prepare students to be innovative and creative thinkers of the 21st Century.

The **VISION** of Moore Magnet is to prepare students to become creative and innovative life-long learners who make valuable contributions to their communities and our global society

## CONTACT US

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## MOORE'S TEACHERS

Moore's teachers have received focused and comprehensive training in STEM, and several of Moore's teachers have presented professional development sessions at national conferences. Moore's staff includes teachers who are certified as **Microsoft Innovative Educators (MIEs)**, visionaries for leading the effective use of technology in the classroom and sharing ideas with a global network of peers. The school's administration team and academic coaches have received STEM leadership training from **Tennessee's STEM Innovation Network (TSIN)**, while classroom teachers have also earned TSIN's **STEM Micro-Credentials Certification**.



**MOORE MAGNET**  
ELEMENTARY SCHOOL

**STEM SCHOOL**  
CLARKVILLE-MONTGOMERY COUNTY SCHOOL SYSTEM

## MOORE MAGNET STEM SCHOOL OFFERS

- **STEM** integration Kindergarten through 5th grade
- Cross-grade-level **student collaboration** on future **sustainability challenges**
- **Technology:** iPads in every classroom and one-to-one laptops in 1st through 5th grades
- **Outdoor Classroom and Garden**
- **Themes:** cross-curriculum quarterly themes
- **Robotics:** LEGOS, Drones and Makerspace
- **Career Readiness:** Virtual Job Shadowing Program for K-5 students
- **Electronic STEM Portfolios:** Grades 3-5
- **Partnerships** with 4-H, APSU, and many on-going Community Business Connections
- **Student Field Experiences:** Huntsville Space Camp, Roxy Regional Theatre, and more
- **In-school and After-school Interest Clubs:** drama, gardening, culinary, art, music, fitness, and more
- Before and after-school care through the **YMCA Fun Company**



## STEM INTEGRATION

STEM, which stands for **science, technology, engineering** and **math**, is embedded across the curriculum at Moore. Students apply the knowledge they gain across the curriculum to solve challenges aligned with real-world problems tied to local community issues. Moore was one of first schools in the state to receive the prestigious **Tennessee STEM School Designation**. Additionally, Moore was the first **Montgomery County Green Certified School**.

## ENGINEERING DESIGN PROCESS

Moore incorporates the **Engineering Design Process (EDP)** in teaching and learning. The EDP is used in every science lesson with students solving an essential question utilizing the content gained through the science standards and curriculum. The science standards are the scaffolding activities that provide the students the knowledge and understanding for the students to solve the challenge.

## ARTS

The visual and performing arts are important at Moore Magnet, with classes and extracurricular offerings available through in-school and after-school clubs. Students have the opportunity to participate in **music, art** and **drama** clubs. Special area teachers use the EDP in their classrooms and integrate the arts into STEM.

## ROBOTICS

Through robotics, students learn with their eyes and hands – drawing, molding, and manipulating objects. Students use **code to write programs** for the operation of the robots. They also participate in **local, state and national robotics competitions** to demonstrate their coding and robotics skills. Teachers focus on inquiry-based learning to integrate robotics into as many subject areas as possible, while also making curriculum connections.

## SPECIAL ACTIVITIES

Special activities throughout the year include **STEM Expos, Robotics Competitions, Family STEM Nights** and **Outdoor Classroom** events. A **STEM Advisory Board** comprised of community and student leaders who work as a team to provide leadership within the school to solve future sustainability challenges in our own backyard. These partnerships provide students opportunities to develop high-level STEM skills inside and outside of the classroom and increase student readiness for future careers.

## OUTDOOR CLASSROOM AND GARDEN

The Outdoor Classroom and Garden provides students with the opportunity to apply their knowledge of math, science and other content areas in the natural environment while focusing on sustainability.

