

STEM ACADEMY ADMISSIONS REQUIREMENTS

- ✓ Completed STEM Academy application and/or interview
- ✓ G.P.A. 2.5 overall
- ✓ FCAT Scores (Level 3 or above in Reading and Math)
- ✓ Excellent conduct, citizenship, and attendance

STEM ACADEMY STUDENT EXPECTATIONS

- ✓ Maintain at least a 2.5 average.
- ✓ No discipline referrals.
- ✓ Be respectful to teachers, peers, and school staff.
- ✓ Be a well-rounded student.
- ✓ Work and perform in a group setting.
- ✓ Participate in competitions, activities, and/or exhibitions.

OUR MISSION

To build STEM literacy for students at Apopka Memorial Middle School while providing real-world learning experiences and exposure to careers in science, technology, engineering, and math.



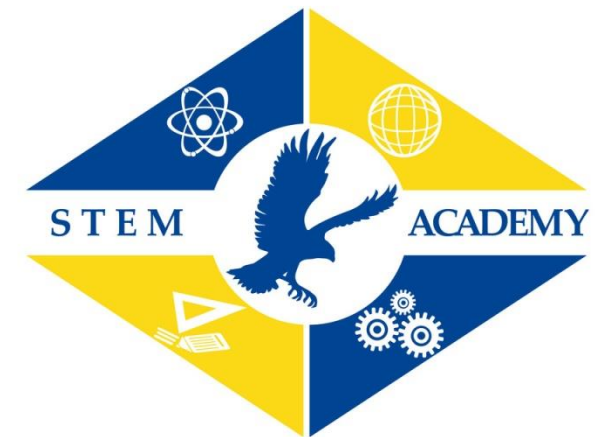
425 N. Park Avenue
Apopka, FL 32712
407-884-2208

OCPS EEO Non-Discrimination Statement

The School Board of Orange County, Florida, does not discriminate in admission or access to, or treatment or employment in its programs and activities, on the basis of race, color, religion, age, sex, national origin, marital status, disability, genetic information, sexual orientation, gender identity or expression, or any other reason prohibited by law. The following individuals at the Ronald Blocker Educational Leadership Center, 445 W. Amelia Street, Orlando, Florida 32801, attend to compliance matters: ADA Coordinator & Equal Employment Opportunity (EEO) Supervisor: Carianne Reggio; Section 504 Coordinator: Latonia Green; Title IX Coordinator: Gary Preisser. (407.317.3200)

AMMS STEM Academy

*Agriscience
Engineering Technology (PLTW)
Medical Science*



APOPKA MEMORIAL MIDDLE SCHOOL

**APOPKA MEMORIAL
MIDDLE SCHOOL**

Principal
Dr. Kelly Pelletier

STEM Coordinator
Shayla Mark
Email: Shayla.Mark@ocps.net

WHAT IS STEM?

STEM is an acronym for science, technology, engineering and math. STEM education is not only critical for preparing our future leaders, doctors, rocket scientists and game designers – it's becoming more important for every type of job in the workforce. The problem is that most countries in the world aren't producing enough STEM graduates. In the United States for example, the U.S. Department of Labor estimates there will be more than 1.2 million job openings in STEM-related fields by 2018, but not enough people to fill them.



STEM

science • technology
engineering • math

STEM ACADEMY GOALS

- To create academically prepared students
- To build a strong foundation for further STEM learning in high school and beyond
- To expose students to careers and study in STEM fields

AGRISCIENCE

Although Agriculture has traditionally been defined by the production of plants and animals, science and technology have added new areas of research and investigation to the agriculture field. Our Agriscience program will cultivate the emerging study of biotechnology and business/economics in the agriculture industry through hands-on activities.



Agriscience Electives Include:

- Agriscience Natural Resources
- Food/Careers/Technology
- Agriscience Foundations
- Aquaculture Hydroponics/Agriculture
- Biotechnology

ENGINEERING TECHNOLOGY

Our Engineering Technology program is based on the Gateway To Technology curriculum from Project Lead the Way (PLTW). The Gateway To Technology (GTT) program features a project-based curriculum designed to challenge and engage the natural curiosity and imagination of middle school students.

Engineering Technology Electives Include:

- Magic of Electrons
- Science of Technology
- Automation and Robots
- Design and Modeling
- Energy and the Environment
- Flight and Space
- Green Architecture
- Medical Detectives

MEDICAL SCIENCE

Our Medical Science program is designed to introduce students to the various aspects of the modern health care delivery system. Some of the skills learned in this program are used by health care professionals. A variety of topics related to various careers in the health care industry will be examined.



Covered Topics Include:

- Stress and the Health Care Worker
- Health Occupations and the History of Medicine
- Basic Health Care Skills
- Medical Terminology
- First Aid & CPR
- Legal Aspects for the Health Care Consumer
- Needs of the Terminally Ill
- Blood Borne Diseases
- Computers in Health Care
- Employability Skills

