

REASONS TO ATTEND

- AN OUTSTANDING COLLEGE PREPATORY PROGRAM WITH EMPHASIS ON SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS COURSEWORK.
- EXPERIENCED, DEDICATED, PROFESSIONAL INSTRUCTORS WHO UTILIZE A WIDE VARIETY OF TEACHING STRATEGIES TO ACCOMMODATE VARIOUS LEARNING STYLES.
- EAGER RECRUITMENT OF GRADUATES BY POST SECONDARY INSTITUTIONS.
- MEDICAL AND COCA-COLA SPACE SCIENCE CENTER INTERNSHIPS.
- NURTURING, AND EDUCATIONALLY CHALLENGING ENVIRONMENT.
- SERVICE LEARNING: WE ARE A NATIONAL SERVICE LEADER SCHOOL.
- OPPORTUNITIES FOR DUAL DIPLOMAS.
- EXCEPTIONALLY WIDE RANGE OF EXTRACURRICULAR ACTIVITIES.
- HIGH NUMBER OF SCHOLARSHIP RECIPIENTS.
- STATE-OF-THE ART TECHNOLOGY.

COURSE SEQUENCE

9th Grade Courses

Pre-AP Biology I	
Accelerated GSE Coordinate Algebra/Geometry A	
Pre-AP 9th Grade Literature/Composition	
Pre-AP American Government/Civics	
Personal Fitness/Health	
STEM Elective	
STEM Elective I	
Total	7

10th Grade Courses

Pre-AP Chemistry I	
Accelerated GSE Analytic Geometry B/Adv. Algebra	
Pre- AP 10th Grade Literature/Composition	
Pre-AP World History	
Foreign Language I	
STEM Elective	
STEM Elective	
Total	7

11th Grade Courses

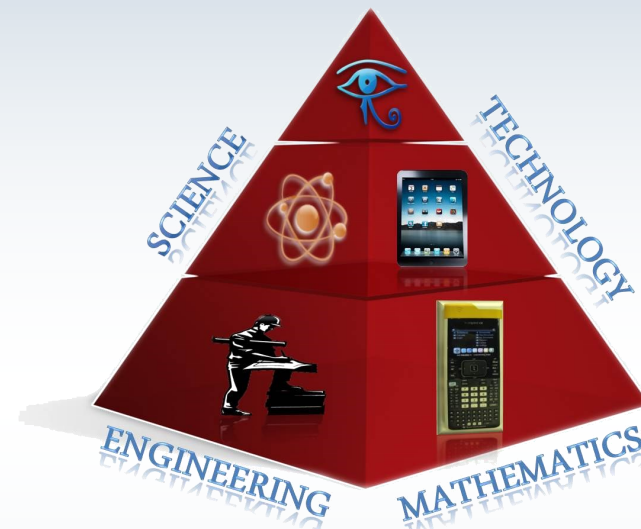
AP Biology or AP Chemistry	
AP Statistics	
Accelerated GSE Pre-Calculus	
Pre-AP American Literature/Composition	
AP United States History	
Foreign Language II	
STEM Elective	
Total	7

12th Grade Courses

AP Calculus	
AP English IV	
AP Macroeconomics	
AP Physics/Human Anatomy & Physiology	
STEM Elective	
STEM Elective	
STEM Elective	
Total	7

Total Number of Credits **28**

G.W. CARVER HIGH SCHOOL STEM MAGNET



Mrs. Victoria Neal
MAGNET COORDINATOR

Mr. Christopher B. Lindsey
PRINCIPAL

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PROGRAM HIGHLIGHTS

- Internships at the Coca Cola Space Science Center.
- Service Learning
- Research Projects and Competitions
- Advanced Technology and Equipment
- Field Trips, Seminars, and Guest Lectures
- Career Exploration
- A Caring Family Atmosphere

**WE ARE MORE THAN JUST
AN AVERAGE MAGNET PROGRAM
WE ARE A FAMILY!**

QUALIFICATIONS

A student must qualify for entrance into this program based on a combination of the following criteria:

- » Successful completion of Advanced Math
- » Cumulative average of a 3.0 or above in all science and math courses
- » Acceptable scores on standardized tests and/or other assessments indicating strong academic talents
- » Letter of recommendation from both a mathematics and science teacher
- » Interview with the Principal, Magnet Coordinator, or designee (if necessary)

All high school students, grades 9-12 who meet the minimum admission requirements will be admitted into the program provided the total number does not exceed the maximum enrollment at each grade level.

Students entering the STEM Magnet Program are expected to demonstrate a high degree of interest and aptitude in the areas of SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS.

REQUIREMENTS

RESEARCH PROJECTS

Each STEM Magnet student is required to develop and complete an in-depth research project during their Junior year. Students in Statistics and Pre-Calculus must also complete a Math Expo project while enrolled in those classes.

SENIOR SEMINAR

Every STEM Magnet student must create a Senior Seminar presentation during their Senior year. The seminar will be evaluated and presented in front of ALL the STEM Magnet students and STEM teachers.

SERVICE LEARNING

All STEM Magnet students are required to complete a minimum of 20 hours of community volunteer service annually. Service in the areas of SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS is preferred.

PHILOSOPHY

The goal of the STEM Magnet Program is to provide a strong hands-on curriculum in the areas of SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS for students with a demonstrated interest in those areas. Additionally, the program is designed to provide a well-rounded individualized education for all students.