Mathematics

est. 1961

QUODCUMQUE DIXERIT VOBIS, FACITE

CHALLENGING STUDENTS TO LEARN AND GROW

The goals of the East Catholic Mathematics Department are multi-faceted. On a very practical level, the goal in this college preparatory environment is to prepare all our students to enter the college of their choice and be ready to step into the math courses required for their discipline without being required to take non-credit prerequisites in college. The student further develops skills to become life-long learners and productive citizens. In our information age, it is vital to master thinking skills to be able to evaluate information and to make effective decisions. By improving critical thinking, problem solving skills, and use of technology, the student gains more than an education in mathematical sciences; the student becomes better prepared for college and the world beyond.

EXTRACURRICULAR

East Catholic Math Team

Member of the Capitol Area Mathematics League (CAML). Competes in six CAML meets a year and typically qualifies to compete at the state and regional levels.
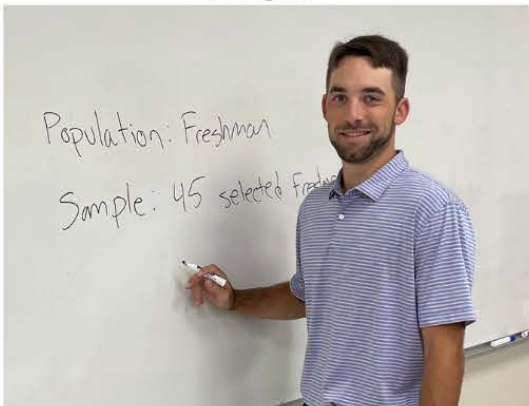
Math Tutoring (Free)

Current teachers, along with volunteers from the National Honor Society, tutor at various times during the school day, including flex block.

SAT Math Preparation

Taught both in and out of the classroom. Classes taught by members of the math department are offered after school in the spring, and in the summer, prior to the fall and spring SAT.

3 Summer Boot Camps

Algebra 1 , Algebra 2, Tech/Robotics Readiness courses develop good mathematical study skills and learning strategies

Outside of East Catholic classrooms, members of the Math Department:

-Present workshops at regional, national and international conferences
-Write and review textbooks
-Participate in professional workshops
-Volunteer in our parishes & communities
-Are committed life-long learners

Course Offerings

Four credits in the study of math are required for graduation. All students will master basic Algebra, Geometry and advanced topics in math including Advanced Algebra. Pre-Calculus, Probability and Statistics, Calculus, Technology and Data Analysis will be included in Math courses throughout each math curriculum. Each student is required to have a graphic calculator for use in math classes.

Freshman Year
Algebra 1
Geometry - test required
Algebra 2 - test required
Integrated Technology
Computer Applications

Sophomore Year
Geometry
Algebra 2
Pre-Calculus
AP Computer Science Principles

Junior Year
Algebra 2
Pre-Calculus
Probability & Statistics
AP/UCONN Calculus/Honors Calculus
AP Computer Science Principles
Computer Science

Senior Year
AP/UCONN Calculus/Honors Calculus
Pre-Calculus
Probability & Statistics
AP Computer Science Principles
Computer Science

Most courses are offered at 2 or 3 levels
Course offerings may change from year to year