



St Joseph High School

Math Department Fast Facts

Philosophy

The philosophy of the Mathematics Department is to enhance and expand on mathematical knowledge that students have gained throughout their education. We provide a learning environment that fosters analytical thinking, logical reasoning, and problem-solving skills. The department and its faculty strive to inspire in each student an appreciation of mathematics and its practical real-world applications.

Four years of mathematics are required for graduation. Students who have successfully completed Algebra I, Geometry or Algebra II in the eighth grade will accelerate to the next required course according to their performance. The department offers courses at different levels of difficulty, including Advanced Placement, so that each student receives a course of study suited to his or her background, interest, and ability.

Curriculum Overview

- Algebra 1 (H, CP) (Grade 9)
- Geometry (H, CP) (Grades 9, 10)
- Algebra 2 (H, CP) (Grades 9, 10, 11)
- Pre-Calculus (H, CP) (Grades 10, 11, 12)
- Calculus (H) (Grades 11, 12)
- Statistics (H) (Grade 12)
- College Mathematics (CP) (Grade 12)
- AP Statistics (Grade 12)
- AP Calculus, AB (Grades 11, 12)
- AP Calculus, BC (Grades 11, 12)
- UCONN: Statistics (Grade 12)

“Math courses have always been my favorite at St Joes. The teachers challenge me, but are helpful when I get stuck. I am learning to think analytically about problem solving to support my future career in engineering.”

~ Jorge '20

Beyond the Classroom

Math Tutoring Center is a free school-based tutoring service for math. Tutoring is provided by Carol Doyle, retired St Joseph High School Mathematics Teacher and former Math Department Chairperson. This service is available every Tuesday and Wednesday from 7:15am to 2:45pm. No appointment is necessary. Mrs Doyle is available to help students with homework questions, preparing for tests, reviewing strategies to tackle SAT and ACT problems, or just answering a quick question.

The Mathematics Honor Society (Mu Alpha Theta) The National Math Honor Society is open to Juniors and Seniors based on their academic achievements in Mathematics. Mu Alpha Theta scholars are dedicated to inspiring a keen interest in mathematics, developing strong scholarship in the subject, and promoting the enjoyment of mathematics in high school.

Math Team is open to all students who love math and are interested in challenging their math ability! Students compete as a team against other high schools in math challenges. There will be competitions once a month in Wilton.

Mathematics Department Chair

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