

Rocky Hill High School Mathematics

Dear Parents:

At Rocky Hill High School, the dedicated teachers in the mathematics department aim to develop a strong mathematical foundation that students will find useful across the RHHS curriculum as well as with practical, real-life applications.

We take pride in cultivating a deep interest in the valuable and fun relationships that exist in the world of numbers, and provide each student the opportunity to reach their intellectual potential with hard work and consistent commitment to improving quantitative skills. The RHHS class of 2021 will graduate three students with a perfect score of 800 on the math section of the SAT, and myriad students with a score of at least 700.

Please feel free to contact me with any questions or concerns. I look forward to working with your child.

Sincerely, Brian

Brian Graca, Ed.D.
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Rocky Hill High School

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2021-2022 RHHS Mathematics Staff

Sarah Bobrow, Kristen Carroccia, Dan Czuchta, Joshua Dinerman, Adele Gali, Brian Graca, Ed.D. (Program Supervisor), Brie Mangiaracina-Mathews, Melissa Riccio, Lauren Zadzilko

Paige Weaver: Rocky Hill Public Schools Mathematics Coordinator

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Mathematics classes offered to incoming freshman:

Algebra I (Level 3):

This class is best suited for students who would benefit from a slower pace to master the algebraic concepts necessary for success at higher grade levels and college. Virtually all of the same concepts covered in Level 2 are taught in this class, but simply at a more conservative pace. Students are expected to complete homework on a daily basis, and to develop the skill set necessary to succeed in Geometry, Algebra II and beyond.

Algebra I (Level 2):

This class is best suited for students who are mastering mathematics at grade level. These students usually plan to enroll in four-year universities that have quantitative requirements for graduation. Students are expected to bring skills learned from this class to the table for Algebra II, and are typically poised to finish Precalculus before graduating from RHHS.

Geometry (Level 1 or 2)

This class is best suited for students who have completed Algebra I in middle school (Level 1 students are often on the honors sequence for other subjects as well.) Freshman who enroll in geometry can expect daily homework which is aggressive and designed to provide the framework necessary for success in higher levels of mathematics, including calculus. Teachers often tailor assessments to reflect the style of the SAT questions to acclimate students to the test. Students should prepare for challenging assessments and are expected to have excellent attendance throughout the year.

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In subsequent years, your child will have the opportunity to take more challenging classes:

- Algebra II (Levels 1-2)
- Integrated Alg. II (Level 3)
- Precalculus (Levels 1-2)
- Applied Mathematics (Level 3)
- UConn Discrete Mathematics
- Calculus (Level 1)
- AP Calculus
- Probability & Statistics (Level 2)
- AP Statistics

SAT Preparation for Math (and English) is available to juniors as an elective and typically has outstanding enrollment.

RHHS is proud of its competitive math team, which practices rigorously and consistently ranks among the top schools in the state. The math team is open to any and all students.