

# Carroll HS Mathematics Courses 2020-2021

Ohio graduation requirements include 4 credits, or 8 semesters, of high school mathematics. One credit must be *at least* the level of Algebra II. Mathematics electives may be used toward 1 credit of a students' 4-credit requirement, including  $\frac{1}{2}$  credit by taking AP Computer Science Principles. All courses listed are 2 semester (1 credit) unless noted.

## Honors Sequence

- Honors Algebra I (8, 9)
- Honors Geometry (9, 10)
- Honors Algebra II/Trigonometry (10, 11)
- Honors Pre-Calculus (11, 12, or summer)
- AP Calculus AB (12)  
or Honors Calculus (12)

## Scholarship Sequence

- Scholarship Algebra I (8, 9)
- Scholarship Geometry (9, 10)
- Scholarship Algebra II/Trigonometry (10, 11)
- Scholarship Pre-Calculus (11, 12)
- Honors Calculus (12)

## Standard Sequence

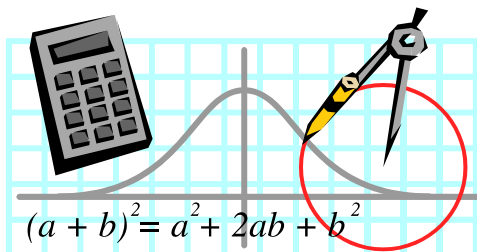
- Algebra IA (9) and Algebra IB (10)  
or Algebra I (9)
- Geometry (10, 11)
- Algebra II/Trigonometry (11, 12)
- Pre-Calculus (12)

## Electives (grades 11, 12)

- Finite Math
- AP Statistics
- Scholarship Statistics and Probability
- Engineering & Robotics Topics (1 sem)
- Hon Engineering & Robotics Topics (1 sem)
- AP Computer Science Principles (1 sem)



# Calculator Requirements at Carroll HS



Calculators are necessary for mathematics education today. They make important mathematical ideas available to students at earlier ages, make possible the use of real-life numbers and graphs in realistic problem situations, and facilitate open-ended problem exploration.

Graphing calculators introduce students to the technology used by professional mathematicians, scientists and engineers. They enable students to visualize complex mathematical functions. Graphing calculators may be used by students taking the EOC, PSAT, SAT, ACT, AP, and other standardized tests.

Each student at Carroll High School is required to bring a calculator to his or her math class. The following is a list of the calculator requirements for each of the CHS courses. Please engrave or use permanent ink to write the student's name on his or her calculator (not only on the removable cover).

## **Algebra I, Algebra IA, Algebra IB, Scholarship Algebra I, Geometry, Scholarship Geometry, Finite Math, and Engineering & Robotics Topics.**

Students in these courses are required to have a scientific calculator. A scientific calculator is one with trigonometry keys (sin, cos, tan), scientific notation, and power and root functions.

## **Hon Algebra I, Hon Geometry, Algebra II/Trigonometry (all levels), Pre-Calculus (all levels), Hon Calculus, AP Calculus, Schol Statistics and Probability, AP Statistics, and Hon Engineering & Robotics Topics:**

Students in these courses are required to have a graphing calculator. The CHS Mathematics Department recommends the TI-84+ (any edition). This calculator is easy to learn to use, durable, and suitable for the content of high school mathematics. It is the model that is demonstrated by teachers in class.

Other calculators, although not recommended, may be acceptable for high school use. Please check with your son or daughter's mathematics teacher before your purchase. Laptops, personal data assistants, and machines with paper tape output or QWERTY (typewriter) keyboards should not be purchased for classroom use. Students will not be permitted to use these while taking the SAT, ACT, or AP exams.