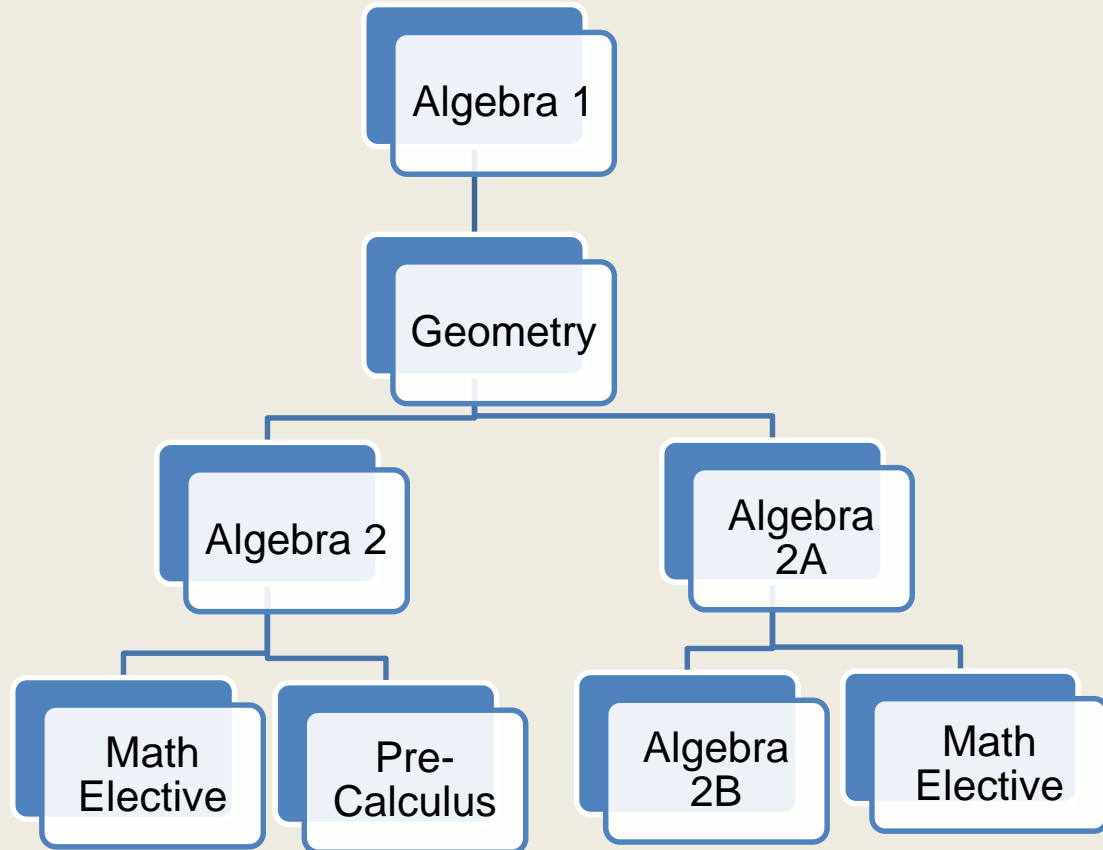


Welcome to Curriculum Night

Troy Athens
Mathematics Department

Troy School District Math Sequence

- A student may elect to take AP Computer Science A (1.0 credits) and/or AP Computer Science Principles (1.0 credits) any time after they have completed Algebra 1
- A student may elect to take AP Statistics or Operations Research any time after they have completed Algebra 2



Math Electives

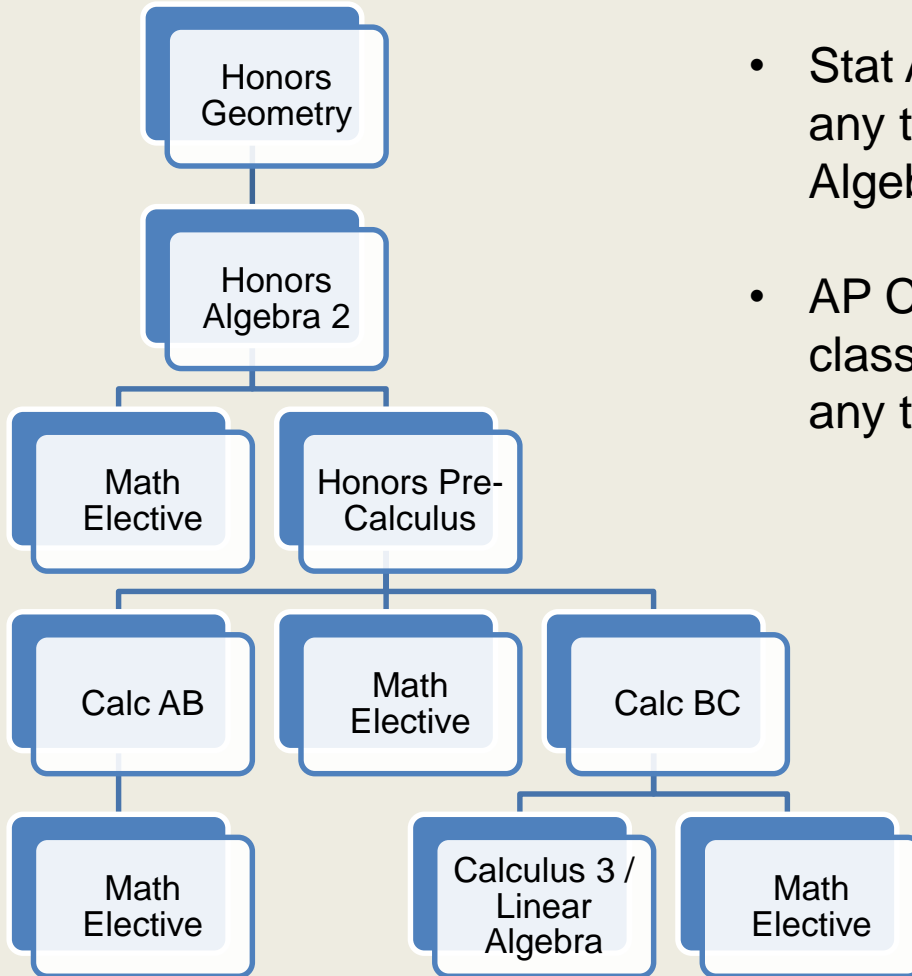
AP
Computer
Science
Principles

AP Computer
Science A

Operations
Research
1/2

Statistics AP

Honors Math Sequence



- Stat AP may be taken at any time following Algebra 2 Honors
- AP Computer Science classes can be taken any time

Math Electives

AP Computer Science Principles

AP Computer Science A

Operations Research 1/2

Statistics AP

Graduation Requirements

(4 credits)

- Algebra 1 (1 credit) or Honors Algebra 1 (1 credit)
- Geometry (1 credit) or Honors Geometry (1 credit)
- Algebra 2 (1 credit) or Honors Algebra 2 (1 credit) or Fundamentals of Algebra 2A and 2B (2 credits)
- Senior Math Elective (1 credit)
 - High school math credits may be earned in middle school, but 4 credits must still be earned in high school.
 - A grade earned in middle school will be calculated into the high school GPA.
 - A full year of math or math-related credit must be taken during the final year of high school.

WAIVING A COURSE REQUIREMENT BY TESTING OUT

- *Form must be turned into the current building principal by **March 26, 2018***

Math Test Date:

April 21, 2018 (Saturday)

8:00 AM – 12:00 PM

Troy High School

Gymnasium

- Must earn a 77% to pass

Troy Mathematics Summer Honors Academy

- Location: Troy High School
Dates: June 18 – 22; June 25 – 29; July 9 – 13; July 16 – 20
Time: 8:15 a.m. – 12:15 p.m. Monday through Friday
Tuition: \$260
- Applications must be turned in to your middle school counselor between April 9th and the end of the day on May 11th

Two AP[®] Computer Science Courses



Computer Science A

Course Goal

Encourage skill development among students considering future studies & career in computer science or other STEM fields

Curricular Focus

Problem solving and object-oriented programming

Programming Language

Java

Assessment Experience

- ▶ Multiple-choice and free-response questions

Computer Science Principles

Encourage broader participation in CS & STEM, including AP CSA

Big ideas of computer science (including programming)

Teachers choose

- ▶ Multiple-choice exam
- ▶ Two performance tasks administered by the teacher, and students submit digital artifacts

What is AP[®] Computer Science Principles (AP CSP)?

Did you know that of the more than 9 million STEM jobs available in the next decade, half will require computing experience?

AP CSP, prepares you by:

- ▶ Introducing you to the essential ideas of computer science.
- ▶ Challenging you to explore how computing and technology impact the world around you.
- ▶ Providing a foundation of knowledge that can be applied across disciplines, no matter what your major or career focus- from STEM fields to music and the arts. Chances are, no matter what field you're interested in, computers play a role.