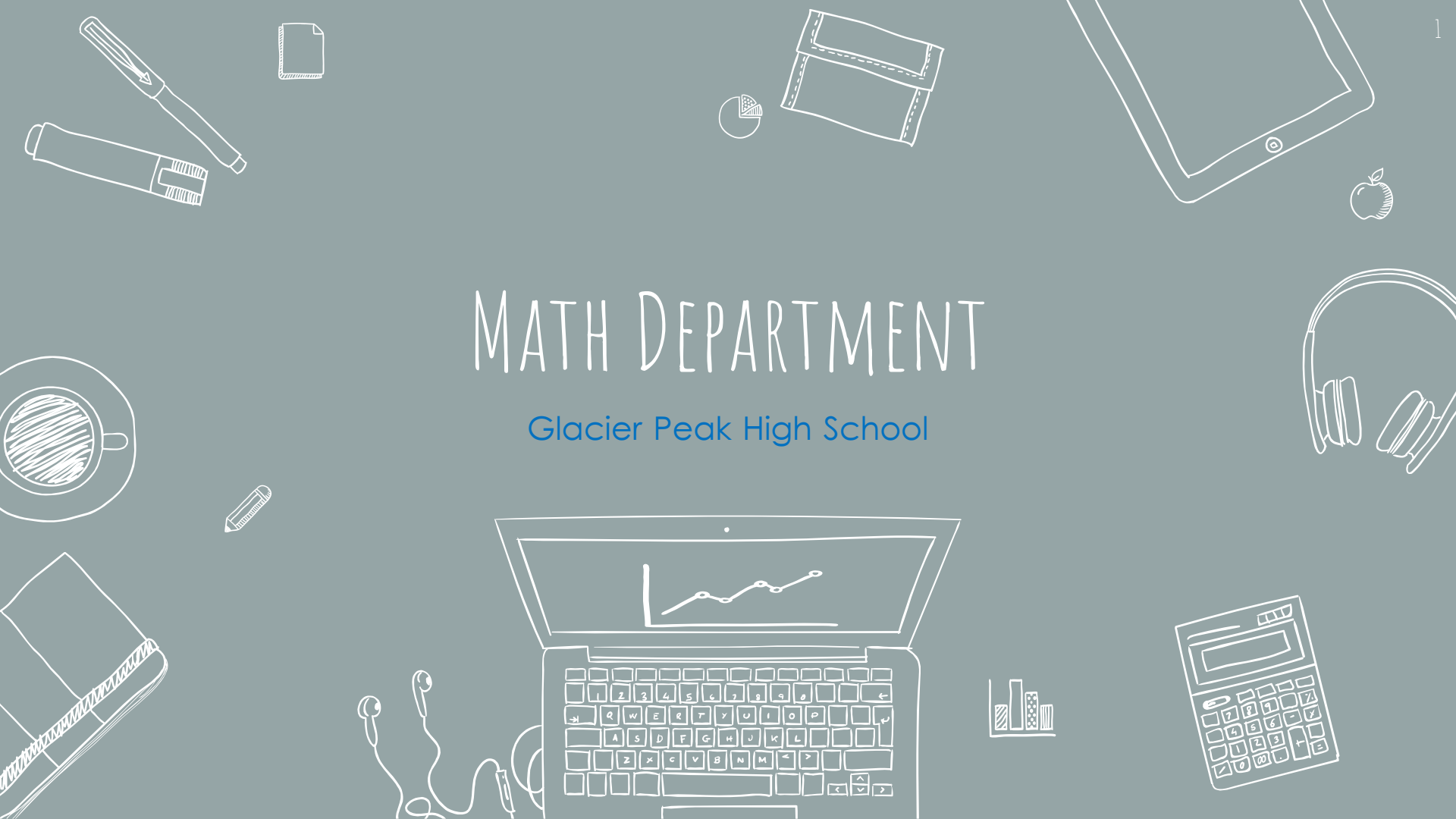


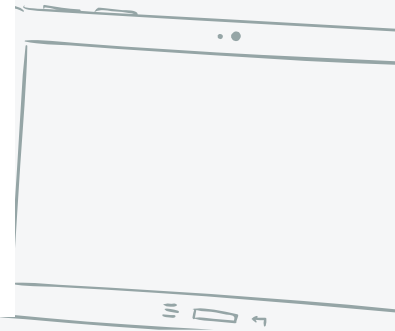
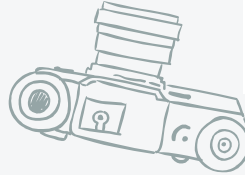
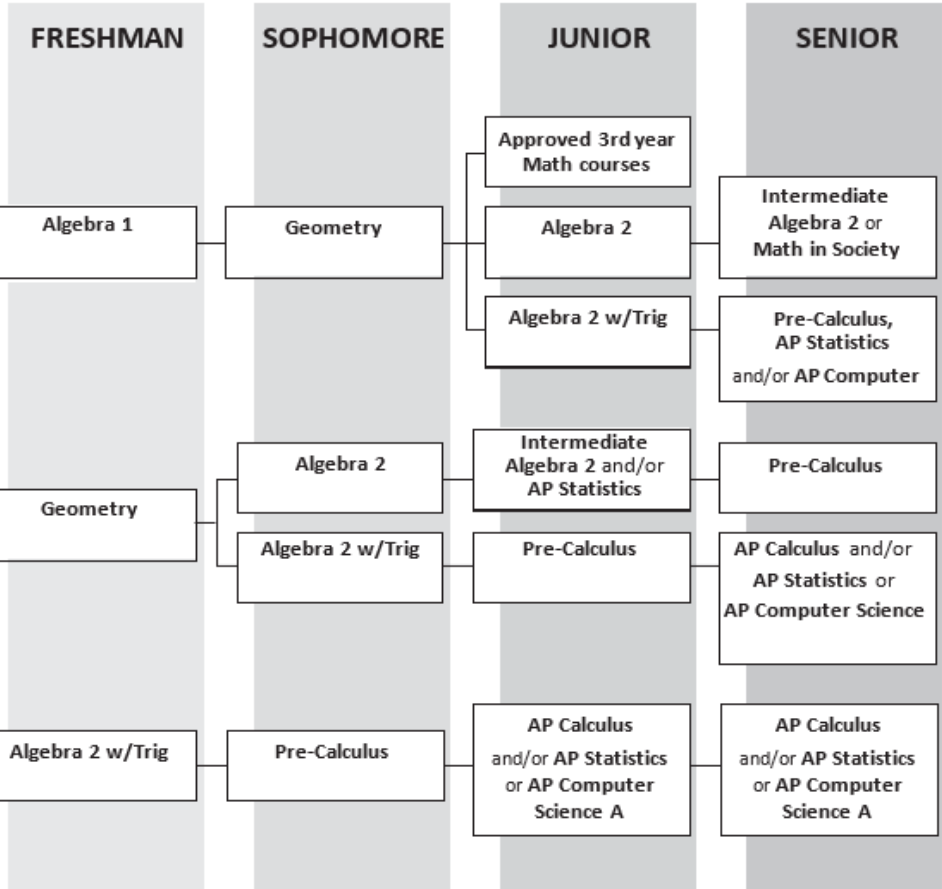
# MATH DEPARTMENT

Glacier Peak High School





# MATH RECOMMENDED SEQUENCE





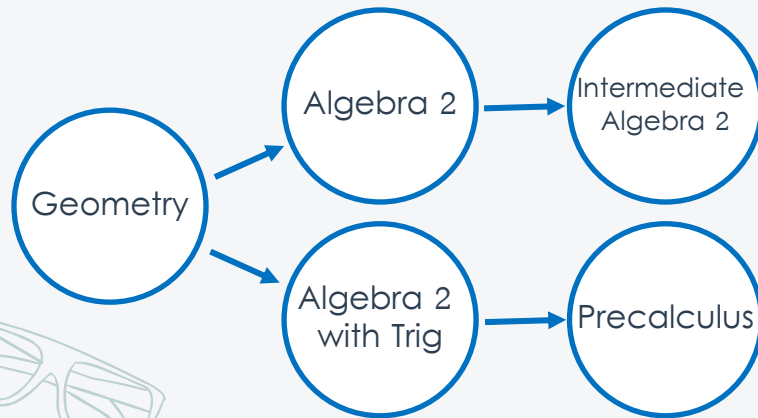
# ALGEBRA 1 AND GEOMETRY

- ❖ Students in **8<sup>th</sup> grade math** at the middle school will be automatically enrolled in **Algebra 1**.
- ❖ Students passing **Algebra 1** at the middle school will be automatically enrolled in **Geometry**.
- ❖ Students passing **Geometry** at the middle school will be automatically enrolled in **Algebra 2 with Trigonometry**.

Valley View Middle School Math Teachers preregister students for the appropriate math course

# ALGEBRA 2 VS ALGEBRA 2 WITH TRIGONOMETRY

- ❖ This decision will be made while a student is taking Geometry
- ❖ Algebra 2 with Trigonometry covers all material from Algebra 2 AND Intermediate Algebra 2 in one school year.
- ❖ Students need to have earned an A or B in both Algebra 1 and Geometry to be eligible to take Algebra 2 with Trigonometry.





# MATH IN SOCIETY — FOR JUNIORS OR SENIORS

- ❖ College-level coverage of practical applications of mathematics methods to areas of management, social sciences, biology and other fields.
- ❖ Some concepts included are Sets, Logic, Systems of Numeration, Probability, Graph Theory, The Metric System, Statistics, Consumer Mathematics, and Voting and Apportionment.
- ❖ Class is usually taken as a Senior and Alg2 is the prerequisite.
- ❖ 5 College Credits (Math 107) available through EvCC

# PRECALCULUS

- ❖ This course connects all math courses previously taken at the high school level in addition to some work beyond functions in the second semester.
- ❖ Heavy emphasis on Trigonometry, which has already been well introduced in Alg 2 w/ Trig.
- ❖ Some concepts included are Polynomial Functions, Logarithms, Trigonometry, Vectors, Conic Sections, and Polar and Parametric Equations.
- ❖ 10 College Credits (Math 141 & 142) available through EvCC

# AP CALCULUS

- ❖ In Calculus, you will learn about derivatives and integrals.
- ❖ We will take the math skills that you have learned in past math classes up to Pre-Calculus and use them to solve cool real-world problems involving rates of change, accumulation, among other applications.
- ❖ You can earn up to 10 college credits by applying for College in the High School credit through EvCC, or taking the AP Exam at the end of the year.
- ❖ At the end of the year, you will get to solve a murder mystery using Calculus. It is challenging but great fun!

# AP STATISTICS

- ❖ Learn to collect, interpret, organize, and analyze data.
- ❖ Topics covered include: Probability; Experimental Design; Confidence Intervals; Hypothesis tests, etc.
- ❖ Data are used to inform and persuade us. Become a more informed consumer of news, politics, and much more! Analyze the world around you with stats!
- ❖ Alg2 is the pre-requisite.
- ❖ Earn College credit by earning a 3 or higher on the AP Statistics Exam, or through EvCC (Math&146)





# AP COMPUTER SCIENCE

- ❖ Learn to write Object-Oriented software using the Java programming language.
- ❖ You will learn drone safety and write an Android app to control a DJI *Mavic-Mini* drone.
- ❖ Earn College credit by earning a 3 or higher on the AP CS-A Exam.
- ❖ Math credit with a strong emphasis on logic and reasoning.
- ❖ A must for future engineers and Computer Science majors.