GHC

GRANADA HILLS CHARTER

Mission and Vision

GHC students will be prepared to face the future with the following skills:

- Mastery of the Middle Years Program Standards part of the International Baccalaureate Program

- Ability to think reflectively and critically

- Develop a commitment to hard work, honesty, and cooperation

- Be compassionate and responsible members of our community

TK-8 Math Pathway

	Grade 6	Grade 7	Grade 8
IB Standard Math Pathway	Math 6	Math 7	Math 8
IB Extended Math Pathway		Extended Math 7/8	Algebra 1
IB Extended Math HL Pathway		Algebra 1	Geometry

*All 6th grade students will be enrolled in Math 6 with opportunities for differentiation and acceleration within the course.

Math Placement Policy

Grades 6-8 Mathematics Course Placement

At the end of **Grade 6**, a student may be <u>considered</u> for placement on the **IB Extended Math Pathways** based on the following criteria:

    a. Grade of "A" or "B" in Math 6 "Achievement" Scores.
    b. Exceed standards on the Smarter Balanced Summative Assessment
    c. Score **235** or higher on NWEA MAP adaptive mathematics test

At the end of **Grade 6**, a student may be <u>considered</u> for placement in **Algebra** based on the following criteria:

    a. Grade of "A" in Extended Math 6.
    b. Exceed standards on the Smarter Balanced Summative Assessment
    c. Score **240** or higher on NWEA MAP adaptive mathematics test

Math Placement Policy

Grades 6-8 Mathematics Course Placement

At the end of **Grade 7**, a student in Math 7 may be <u>considered</u> for placement in **Algebra** based on the following criteria:

    a. Grade of "A" in Standard Math 7 "Achievement" Scores
    b. Exceed standards on the Smarter Balanced Summative Assessment
    c. Score **240** or higher on NWEA MAP adaptive mathematics test

At the end of **Extended Math Grade 7**, a student may be <u>considered</u> for placement in **Algebra 1** based on the following criteria:

    a. Grade of "A" or "B" in Extended Math 7 "Achievement" Score
    b. Exceed standards on the Smarter Balanced Summative Assessment
    c. Score **240** or higher on NWEA MAP adaptive mathematics test

Note: Students who continue in the accelerated pathway will have the opportunity to take Geometry over the summer (after Alg 1) and advance into Algebra 2 during freshman year of HS.

Grade 6 Math Curriculum

- Area, Surface Area & Volume
- Numerical Expressions & Factors
- Fraction & Decimal Operations
- Ratios and Rates
- Percents
- Algebraic Expressions & Equations
- Integers, Number Lines & Coordinate Plane
- Probability, Data, and Statistics
- Opportunities to extend learning to 7th grade skills (in all units)

Grade 7 Math Curriculum

- Rational Numbers
- Expressions and Equations
- Inequalities
- Ratios and Rates
- Percents
- Area, Surface Area and Volume
- Probability, Data, and Statistics
- Geometric Shapes and Angles

Extended Math 7

Covers Grade 7 Math Curriculum along with key curriculum components of Grade 8 Math

- Rational Numbers
- Expressions and Equations
- Inequalities
- Ratios and Rates
- Percents
- Area, Surface Area and Volume
- Probability, Data, and Statistics
- Geometric Shapes and Angles
- Graphing and Writing Linear Equations
- Exponents and Radicals
- Scientific Notation
- Pythagorean Theorem

Grade 8 MYP Math Curriculum

Goal of 8th Grade MYP Math is to set a foundation and prepare students for Algebra I at the high school.

- Solving Equations
- Geometric Transformations
- Angles and Triangles
- Graphing and Writing Linear Equations
- Functions
- Pythagorean Theorem
- Exponent Rules
- Volume of Solid Shapes

With an opportunity to take Algebra I over the summer between 8th and 9th grade if students are interested and qualify.

Algebra I (Extended Math Pathways)

Goal of MYP Algebra I is to set a solid foundation in algebraic logic and concepts with an emphasis on communicating reasoning.

- Solving Linear Equations & Inequalities
- Graphing and Writing Linear Functions
- Exponential Functions and Sequences
- Polynomial Equations and Factoring
- Graphing and Solving Quadratic Functions
- Radical Functions and Equations

With an opportunity to take Geometry over the summer between 8th and 9th grade if students are interested and qualify.

Geometry (Extended Math Pathways)

- Constructions and Circles
- Transformations and Rigid Motion
- Geometric Relationships with Lines and Angles
- Congruence
- Geometric Relationships with Parallelograms
- Dilations and Similarity
- Area and Volume
- Right Triangle Trigonometry
- Trigonometry with the Unit Circle (if time permits)

Geometry uses McGraw Hill: Geometry *Reveal* curriculum as a guide for notes/practice packets that are created through collaboration of teachers and variety of other Common Core resources

Math Resources and Programs

- Big Ideas Common Core Math: Modeling Real Life
  - Digital textbook where many classwork and homework assignments are assigned
  - Provides support videos, notes and examples
- IXL
  - Platform that provides individual practice for students
  - Students are expected to practice "Recommended Skills" or grade level content each week
- MobyMax
  - Used in 6th
  - Provides fact fluency practice, individualized skill practice, and reteaching lessons
- Delta Math
  - Used in 7th/8th/Algebra/Geometry
  - Provides support videos and unlimited practice to assigned concepts
- Citizen Math
  - Platform used in class to connect classroom content to the real world
  - Promotes inquiry, exploration and collaboration

Tutoring Opportunities/Support

- After school homework help
  - Tuesdays (2:30 - 3:30pm) and Thursdays (3:30 - 4:30pm)
  - Room 304
  - First come, first serve; first 15 students
- Support videos on Big Ideas Platform and Delta Math

GHC High School Initial Placement

Initial Placement at Spring Enrollment

GHC counselors make an initial mathematics course placement during enrollment based on the following objective academic measures:

• Student transcripts;

• Current Mathematics course;

• Eighth Grade first semester grade; and

• Existing California Assessment of Student Performance and Progress ("CAASPP") test scores.

Final Placement after Summer Transition Academy During the GHC Summer Transition Academy, all incoming students complete a placement exam that is aligned to state-adopted content standards in mathematics to ensure proper grade nine mathematics course placement.

What are the different HS math pathways?

Potential mathematics course sequences:

Algebra I	Geometry	Algebra II		
			Informational Data Science/FiCycle	Informational Data Science/FiCycle
				CP Statistics
				AP Statistics
			CP Statistics	AP Statistics
				Informational Data Science/FiCycle
			AP Statistics	Informational Data Science/FiCycle
			CP/AP Pre-Calculus	Informational Data Science/FiCycle
				CP Statistics
				AP Statistics
				AP Calculus AB
			AP Precalculus	AP Calculus BC

Note: Successful completion of Geometry will schedule students to take Algebra 2 next year.

QUESTIONS?

THANK YOU!