

# GHC

GRANADA  
HILLS  
CHARTER

# GRANADA HILLS CHARTER TK-8

Math Pathway  
Parent Information  
2025-2026



# GHC

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## *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 considered for placement on the **IB Extended Math Pathway** if they meet **2 out of 3** of the following criteria:

- a. Grade of “**A**” or “**B**” in Math 6.
- 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 considered for placement in **Algebra** if they meet **ALL** of the following criteria:

- a. Grade of “**A**” in 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 considered for placement in **Algebra** if they meet **ALL** of the following criteria:

- a. Grade of “**A**” in Standard Math 7.
- 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 considered for placement in **Algebra 1** if they meet **2 out of 3** of the following criteria:

- a. Grade of “**A**” or “**B**” in Extended Math 7.
- 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.**

# Understanding the needs of your student

- **Accelerated Pathway Considerations:** The HL extended math pathway skips significant 7th and 8th grade content if students take Algebra 1 in 7th grade. This can be a challenging transition, especially as students are also adjusting to the broader demands of middle school life.
- **Developmentally Appropriate Progression:** The California Department of Education recommends that students complete Algebra 1 by the end of 8th grade. Following a steady and thorough progression ensures deeper understanding and long-term success in math. So if your student meets the criteria and is not ready, you don't have to join the HL extended math pathway at that time.
- **Impact on Student Well-being:** Rushing into advanced math too early can sometimes lead to gaps in understanding, reduced confidence, or a loss of interest in math. We want to support every student in building a strong foundation and a positive relationship with mathematics.

# 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
- i-Ready
  - Platform that provides individual practice for students
  - Students are expected to practice “Recommended Skills” or grade level content each week
- 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!

