



Marietta City Schools
2025–2026 District Unit Planner

Grade 8 Honors Mathematics

Unit title	Unit 7: Culminating Capstone Unit	MYP year 3	3	Unit duration (hrs)	<i>Enter Hours 13.5</i> <i>MMS- (4.5 hours per week)</i>
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Mastering Content and Skills through INQUIRY (Establishing the purpose of the Unit): *What will students learn?*

Georgia K-12 Standards

Standards
 All course standards.
8.MP 1-8: Display perseverance and patience in problem-solving. Demonstrate skills and strategies needed to succeed in mathematics, including critical thinking, reasoning, and effective collaboration and expression. Seek help and apply feedback. Set and monitor goals.

 MCS Gifted Standards:
 MCS.Gifted.S6A.

Key concept	Related concept(s)	Global context
Logic	Generalization	Identities and Relationships

Statement of inquiry

A logical process helps to model and generalize the natural world.

Inquiry questions

Conceptual — How can I combine the knowledge and skills I learned this year to solve real-world mathematical problems?

MYP Objectives	Assessment Tasks
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What specific MYP objectives will be addressed during this unit?	Relationship between summative assessment task(s) and statement of inquiry:	List of common formative and summative assessments.
Criteria A (Knowing and Understanding) Criteria B (Investigating Patterns) Criteria C (Communication)	N/A	Formative Assessments(s): N/A Summative Assessment(s): 8th Grade EOG MYP Task: Unit & Capstone Project: Exploring Math with a Dodecahedron
Approaches to learning (ATL)		
<p>Need: Draw reasonable conclusions and generalizations.</p> <p>Category: Thinking</p> <p>Cluster: Critical Thinking, Creative Thinking, Transfer</p> <p>Skill Indicator: Analyzing and evaluating issues and ideas and Utilizing skills, knowledge in multiple contexts, and generating novel ideas and considering new perspective</p>		

Learning Experiences

Add additional rows below as needed.

Objective or Content	Learning Experiences	Personalized Learning and Differentiation
8.PAR.3 8.PAR.4 8.FGR.5 8.FGR.6 8.FGR.7 8.NR.1 8.NR.2	Exploring Math with a Dodecahedron	Students will use a dodecahedron (a 12 - sided 3D shape) to explain different mathematical concepts from the 8th Grade Georgia Math Standards. Each face of the dodecahedron will represent a different math concept, visually, and mathematically demonstrating the topic in a creative way.

Content Resources

[Savvas Correlation Link](#)

GaDoe Intervention Table of Tasks/Activities

Additional Resources

- Savvas
- Desmos
- Hands-On Math