



Marietta City Schools
2025–2026 District Unit Planner

Grade 8 Mathematics

Unit title	Unit 7: Culminating Capstone Unit	MYP year 3	3	Unit duration (hrs)	<i>Enter Hours 13.5 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?*

GA DoE 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.

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 7 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