



Marietta City Schools
2024–2025 District Unit Planner

Grade 8 Honors Mathematics

Unit title	Unit 7: Culminating Capstone Unit	MYP year	3	Unit duration (hrs)	Enter Hours MSGA- (5 hours per week) MMS- (4.5 hours per week) MHS- (7.5 hours per 2 weeks)
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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	
What specific MYP <u>objectives</u> will be addressed during this unit?	<i>Relationship</i> between summative assessment task(s) and statement of inquiry:	<i>List of common formative and summative assessments.</i>
N/A	N/A	<u>Formative Assessments(s):</u> N/A <u>Summative Assessment(s):</u> 8th Grade EOG
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>		

<u>Learning Experiences</u>		
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 <ul style="list-style-type: none">● Savvas● Desmos● Hands-On Math		