

MCS Grade 6 Math Subject Group Overview

Unit Name	Unit 1- Number System Fluency	Unit 2- Rational Explorations: Numbers and their Opposites (GaDOE U7)	Unit 3- Expressions	Unit 4- One-Step Equations and Inequalities	Unit 5- Rate, Ratio and Proportional Reasoning Using Equivalent Fractions (GaDOE U2)	Unit 6- Area and Volume (GaDOE U5)	Unit 7- Statistics (GaDOE U6)	Unit 8- Show What we Know
Time Frame	6 Weeks	4 Weeks	5 Weeks	5 Weeks	5 Weeks	5 Weeks	4 Weeks	2 Weeks
Standards	MGSE6.NS.1 MGSE6.NS.2 MGSE6.NS.3	MGSE6.NS.5 MGSE6.NS.6 MGSE6.NS.6a MGSE6.NS.6b MGSE6.NS.6c MGSE6.NS.7 MGSE6.NS.7a MGSE6.NS.7b MGSE6.NS.7c MGSE6.NS.7d MGSE6.NS.8 MGSE6.G.3	MGSE6.EE.1 MGSE6.EE.2 MGSE6.EE.2a MGSE6.EE.2b MGSE6.EE.2c MGSE6.EE.3 MGSE6.EE.4 MGSE6.NS.4	MGSE6.EE.5 MGSE6.EE.6 MGSE6.EE.7 MGSE6.EE.8 MGSE6.EE.9 MGSE6.RP.3 MGSE6.RP.3a MGSE6.RP.3b MGSE6.RP.3c MGSE6.RP.3d	MGSE6.RP.1 MGSE6.RP.2 MGSE6.RP.3 MGSE6.RP.3a MGSE6.RP.3b MGSE6.RP.3c MGSE6.RP.3d	MGSE6.G.1 MGSE6.G.2 MGSE6.G.4	MGSE6.SP.1 MGSE6.SP.2 MGSE6.SP.3 MGSE6.SP.4 MGSE6.SP.5	All standards
Approaches To Learning Instructional Strategies	Category: Social Cluster: Collaboration Skills Skill Indicator: Give and receive meaningful feedback.	Category: Social Cluster: Collaboration Skills Skill Indicator: Give and receive meaningful feedback. Category: Communication Cluster: Communication Skill Indicator: Organize and depict information logically	Category: Social Cluster: Collaboration Skills Skill Indicator: Give and receive meaningful feedback. Category: Communication Cluster: Communication Skill Indicator: Read critically and for comprehension	Category: Social Cluster: Collaboration Skills Skill Indicator: Give and receive meaningful feedback. Category: Thinking Cluster: Critical Thinking, Creative Thinking & Transfer Skill Indicator: Use models and simulations to explore complex systems and issues	Category: Social Cluster: Collaboration Skills Skill Indicator: Give and receive meaningful feedback. Category: Thinking Cluster: Critical Thinking, Creative Thinking & Transfer Skill Indicator: Use models and simulations to explore complex systems and issues	Category: Social Cluster: Collaboration Skills Skill Indicator: Give and receive meaningful feedback.	Category: Social Cluster: Collaboration Skills Skill Indicator: Give and receive meaningful feedback. Category: Self-management Cluster: Organization, Affective, & Reflection Skills Skill Indicator: Organize and depict information logically	Category: Social Cluster: Collaboration Skills Skill Indicator: Give and receive meaningful feedback. Category: Thinking Cluster: Critical Thinking, Creative Thinking & Transfer Skill Indicator: Use models and simulations to explore complex systems and issues

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Statement of Inquiry	Making decisions can be improved by using a model to represent relationships.	Modeling using a logical process helps us to understand the world	Expressions, equations and inequalities communicate real world scenarios through symbols, numbers, and algebraic thinking.	Expressions, equations and inequalities communicate real world scenarios through symbols, numbers, and algebraic thinking.	By examining relationships and patterns, we can make predictions in real world situations.	Understanding simple shapes helps us enhance our environments.	Gathering and modeling data provides for a better understanding of a population.	A logical process helps to model and generalize the natural world.
Global Context	Globalization and Sustainability	Identities and Relationships	Orientation in Time and Space	Globalization and Sustainability	Personal and Cultural Expression	Orientation in Time and Space Natural and human landscapes and resources	Globalization and Sustainability	Identities and Relationships
Key Concepts	Logic A method of reasoning and a system of principles used to build arguments and reach conclusions.	Relationships The connections and associations between properties, objects, people and ideas.	Logic A method of reasoning and a system of principles used to build arguments and reach conclusions.	Logic A method of reasoning and a system of principles used to build arguments and reach conclusions.	Relationships The connections and associations between properties, objects, people and ideas.	Form The shape and underlying structure of an entity or piece of work, including its organization, essential nature and external appearance.	Logic A method of reasoning and a system of principles used to build arguments and reach conclusions.	Logic A method of reasoning and a system of principles used to build arguments and reach conclusions.
Related Concepts	Model, Representation	Equivalence, Generalization	Model, pattern, measurement	Model, pattern, measurement	Pattern, model, system	Measurement, space, model	Justification, Model	Generalization
Design Cycle Transdisciplinary	Inquiring and Analyzing	Inquiring and Analyzing	Inquiring and Analyzing	Inquiring and Analyzing	Inquiring and Analyzing	Inquiring and Analyzing	Inquiring and Analyzing	Inquiring and Analyzing
	Developing Ideas	Developing Ideas	Developing Ideas	Developing Ideas	Developing Ideas	Developing Ideas	Developing Ideas	Developing Ideas
	Creating a Solution	Creating a Solution	Creating a Solution	Creating a Solution	Creating a Solution	Creating a Solution	Creating a Solution	Creating a Solution
	Evaluating	Evaluating	Evaluating	Evaluating	Evaluating	Evaluating	Evaluating	Evaluating

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	MYP Assessments/ Performance Tasks	Unit 1 CFA Unit 1 SA <i>MYP Assessment :</i> Criteria A (Knowing and Understanding) and Criteria D (Applying Math to real-world context)	Unit 7 CFA Unit 7 SA <i>MYP Assessment:</i> Criteria C (Communication) and Criteria D (Applying Math to real-world context)	<i>Unit 3 CFA</i> <i>Unit 3 SA</i> <i>MYP Assessment:</i> Criteria A (Knowing and Understanding) and Criteria C (Communication)	<i>Unit 4 CFA</i> <i>Unit SA</i> <i>MYP Assessment:</i> <i>Criteria B (Investigating Patterns)</i>	<i>Unit 2 CFA</i> <i>Unit 2 SA</i> <i>MYP Assessment:</i> <i>Criteria C (Communication)</i>	<i>Unit 5 CFA</i> <i>Unit 5 SA</i> <i>MYP Assessment:</i> <i>Criteria D (Applying Math to real-world context)</i>	<i>Unit 6 CFA</i> <i>Unit 6 SA</i> <i>MYP Assessment:</i> Criteria A (Knowing and Understanding) and Criteria D (Applying Math to real-world context)	Grade 6 EOG
	Differentiation For Tiered Learners	Marietta City Schools teachers provide specific differentiation of learning experiences for all students. Details for differentiation for common learning experiences are included on the district unit planners.							