

MCS Accelerated Grade 6/7 Mathematics Subject Group Overview

Unit Name	Unit 1- Number System Fluency	Unit 2- Rational Explorations; Numbers and Their Opposites (GaDOE Grade 6 Unit 7)	Unit 3- Operations with Rational Numbers (GaDOE Grade 7 Unit 1)	Unit 4- Expressions (GaDOE Grade 6 Unit 3) (GaDOE Grade 7 Unit 2)	Unit 5- One-Step Equations and Inequalities (GaDOE Grade 6 Unit 4) (GaDOE Grade 7 Unit 2)	Unit 6- Rate, Ratio, and Proportional Reasoning Using Equivalent Fractions (GaDOE Grade 6 Unit 2)(GaDOE Grade 7 Unit 3)	Unit 7- Area and Volume (GaDOE Grade 6 Unit 5)	Unit 8- Statistics (GaDOE Grade 6 Unit 6)
Time Frame	5 weeks	3 weeks	4 weeks	5 weeks	5 weeks	6 weeks	5 weeks	2 weeks
Standards	MGSE6.NS.1 MGSE6.NS.2 MGSE6.NS.3 MGSE6.NS.4	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	MGSE7.NS.1, MGSE7.NS.1a, MGSE7.NS.1b, MGSE7.NS.1c, MGSE7.NS.1d, MGSE7.NS.2, MGSE7.NS.2a, MGSE7.NS.2b, MGSE7.NS.2c, MGSE7.NS.2d	MGSE6.EE.1 MGSE6.EE.2 MGSE6.EE.2a MGSE6.EE.2b MGSE6.EE.2c MGSE6.EE.3 MGSE6.EE.4 MGSE6.NS.4 MGSE7.EE.1, MGSE7.EE.2, MGSE7.EE.3,	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.3c MGSE6.RP.3d MGSE7.EE.4, MGSE7.EE.4a, MGSE7.EE.4b, MGSE7.EE.4c(eq uations)	MGSE6.RP.1 MGSE6.RP.2 MGSE6.RP.3 MGSE6.RP.3a MGSE6.RP.3b MGSE6.RP.3c MGSE6.RP.3d MGSE7.RP.1, MGSE7.RP.2, MGSE7.RP.2a, MGSE7.RP.2b, MGSE7.RP.2c, MGSE7.RP.2d, MGSE7.RP.3, MGSE7.G.1	MGSE7.EE.1, MGSE7.EE.2, MGSE7.EE.3, MGSE7.EE.4, MGSE7.EE.4a, MGSE7.EE.4b, MGSE7.EE.4c	MGSE6.SP.1 MGSE6.SP.2 MGSE6.SP.3 MGSE6.SP.4 MGSE6.SP.5

MCS Accelerated Grade 6/7 Mathematics Subject Group Overview

Approaches To Learning Instructional Strategies	Give and receive meaningful feedback	Give and receive meaningful feedback Organize and depict information logically	Give and receive meaningful feedback. Apply skills and knowledge in unfamiliar situations.	Give and receive meaningful feedback Use models and simulations to explore complex systems and issues	Give and receive meaningful feedback Use models and simulations to explore complex systems and issues	Give and receive meaningful feedback Read critically and for comprehension	Give and receive meaningful feedback	Give and receive meaningful feedback Organize and depict information logically
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	Mathematical models can help people represent real world relationships using operations with rational numbers.	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.
Global Context	Globalization and Sustainability	Identities and Relationships	Scientific and technical innovation	Orientation in Space and Time	Globalization and Sustainability	Personal and Cultural Expression	Orientation in Time and Space Natural and human landscapes and resources	Globalization and sustainability
Key Concepts	Logic	Relationships	Relationships	Logic	Logic	Relationships	Form	Logic

MCS Accelerated Grade 6/7 Mathematics Subject Group Overview

Related Concepts	Models, Representation	Equivalence, Generalization	Model, Representation	Model, Pattern, Measurement	Model, Pattern, Measurement	Pattern, Model, System	Measurement, Space, Model	Justification, Model
Design Cycle Transdisciplinary								
MYP Assessments / Performance Tasks	Unit 1 CFA Unit 1 SA <i>MYP Assessment :</i> Criteria A (Knowing and Understanding) Criteria D (Applying Math to real-world context)	Unit 7 CFA Unit 7 SA <i>MYP Assessment :</i> Criteria C (Communication), Criteria D (Applying Math to real-world context)	Unit 1 CFA Unit 1 SA Unit 1 ReTest <i>MYP Assessment :</i> Criteria A (Knowing and Understanding)	<i>Unit 3 CFA</i> <i>Unit 3 SA</i> <i>MYP Assessment :</i> Criteria B (Investigating Patterns) Criteria C (Communication)	<i>Unit 4 CFA</i> <i>Unit 4 SA</i> <i>MYP Assessment :</i> Criteria B (Investigating Patterns)	<i>Unit 2 CFA</i> <i>Unit 2 SA</i> <i>MYP Assessment :</i> Criteria C (Communication)	Unit 5 CFA Unit 5 SA <i>MYP Assessment :</i> Criteria D (Applying Math to real-world context)	Unit 6 CFA Unit 6 SA <i>MYP Assessment :</i> Criteria A (Knowing and Understanding), Criteria D (Applying Math to real-world context)
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.							