

MCS MYP Accelerated Grade 7/8 Math Subject Group Overview

Unit Name	Unit 4 Geometry	Unit 5: Inferences	Unit 6: Probability	Unit 1: Transformation s, Congruence, and Similarity	Unit 2: Exponents	Unit 3: Geometric Applications of Exponents	Unit 4: Functions	Unit 5: Linear Functions	Unit 6: Linear Models and Tables	Unit 7: System of Equations
Time Frame	4 Weeks	3 Weeks	4 Weeks	5 Weeks	4 Weeks	3 Weeks	2 Weeks	4 Weeks	4 Weeks	3 Weeks
Standards	MGSE7.G.2, MGSE7.G.3, MGSE7.G.4, MGSE7.G.5, MGSE7.G.6	MGSE7.SP.1, MGSE7.SP.2, MGSE7.SP.3, MGSE7.SP.4	MGSE7.SP.5, MGSE7.SP.6, MGSE7.SP.7, MGSE7.SP.7a, MGSE7.SP.7b, MGSE7.SP.7c, MGSE7.SP.8, MGSE7.SP.8a, MGSE7.SP.8b, MGSE7.SP.8c	MGSE8.G.1 MGSE8.G.2 MGSE8.G.3 MGSE8.G.4 MGSE8.G.5	MGSE8.EE.1 MGSE8.EE.2 (evaluating) MGSE8.EE.3 MGSE8.EE.4 MGSE8.EE.7 MGSE8.EE.7a MGSE8.EE.7b MGSE8.NS.1 MGSE8.NS.2	MGSE8.G.6 MGSE8.G.7 MGSE8.G.8 MGSE8.G.9 MGSE8.EE.2 (equations)	MGSE8.F.1 MGSE8.F.2	MGSE8.EE.5 MGSE8.EE.6 MGSE8.F.3	MGSE8.F.4 MGSE8.F.5 MGSE8.SP.1 MGSE8.SP.2 MGSE8.SP.3 MGSE8.SP.4	MGSE8.F.4 MGSE8.F.5 MGSE8.SP.1 MGSE8.SP.2 MGSE8.SP.3 MGSE8.SP.4
Approaches To Learning Instructional Strategies	Give and receive meaningful feedback. Keep an organized and logical system of information files/notebooks Apply skills and knowledge in unfamiliar situations.	Collect and analyze data to identify solutions and make informed decisions. Draw reasonable conclusions and generalizations	Give and receive meaningful feedback. Keep an organized and logical system of information files/notebooks	Give and receive meaningful feedback Manage an resolve conflict and work collaboratively in teams	Give and receive meaningful feedback Bring necessary equipment and supplies to class	Give and receive meaningful feedback Draw reasonable conclusions and generalizations	Give and receive meaningful feedback	Give and receive meaningful feedback Draw reasonable conclusions and generalizations	Give and receive meaningful feedback	Give and receive meaningful feedback Manage an resolve conflict and work collaboratively in teams
Statement of Inquiry	We can use formulas to model structures and relationships in the real world.	We can interpret form and chance to make generalizations about populations.	Decisions reached through logic may not always reflect beliefs about fairness.	Modeling the changes that occur in geometric forms helps us to understand art and design.	Various numeric forms can be used to enhance our understanding of scientific principles.	People can explore relationships through measurement	Modeling information in different forms helps us make decisions	Modeling the change in relationships can impact decision-making.	The choices we make affect our health and well-being.	Analyzing systems helps us make logical decisions.

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Global Context	Orientation in space and time	Fairness and Development	Fairness and development	Scientific and Technical Innovation	Scientific and Technical Innovation	Orientation in space and time	Globalization and sustainability	Globalization and sustainability	Identities and Relationships	Scientific and Technical Innovation
Key Concepts	Form	Form	Logic	Form	Form	Relationships	Form	Relationships	Logic	Logic
Related Concepts	Measurement, Space	Change, Generalization	Generalization, Justification, Model	Justification, Model	Justification, Simplification	Measurement, Space	Model Representation	Model Representation	Generalization Model	Justification System
Design Cycle Transdisciplinary										
MYP Assessments/ Performance Tasks	Unit 4 CFA Unit 4 SA Unit 4 ReTest Pizza Task Criteria A, C	Unit 6 CFA Unit 6 SA Unit ReTest Topic 6 Performance Assessment Form A Criteria A, D	Unit 6 CFA Unit 6 SA Unit ReTest Topic 7 Performance Assessment Form A Criteria B	Unit 1 CFA Unit 1 SA Unit 1 ReTest Kente' Cloth Project Criteria B	Unit 2 CFA Unit 2 SA Unit 2 ReTest Scientific Notation Project Criteria A, B, C, D	Unit 3 CFA Unit 3 SA Unit 3 ReTest Pythagorean Theorem Choice Board Criteria A	Unit 4 CFA Unit 4 SA Unit 4 ReTest Order Matters DOE Task Criteria B, C	Unit 5 CFA Unit 5 SA Unit 5 ReTest Catering Project Criteria A, B, C, D	Unit 6 CFA Unit 6 SA Unit 6 ReTest Topic 3 Task Criteria A, D	Unit 7 CFA Unit 7 SA Unit 7 ReTest Cellular Systems Project Criteria D
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.									