

### MCS MYP Accelerated Grade 7/8 Subject Group Overview

Unit Name	<u>Unit 1</u> Investigating Probability	<u>Unit 2</u> Exploring Irrational Numbers, Integer Exponents, and Scientific Notation	<u>Unit 3</u> Investigating Linear Expressions, Equations, and Inequalities in One Variable	<u>Unit 4</u> Modeling Linear Relationships and Functions	<u>Unit 5</u> Investigating Data & Statistical Reasoning	<u>Unit 6</u> Real-Life Phenomena Explored Through Systems of Linear Equations	<u>Unit 7</u> Making Relevant Connections with Geometry	<u>Unit 8</u> Exploring Geometric Relationships	<u>Unit 9</u> Culminating Capstone Unit
Time Frame	<b>3 weeks</b>	<b>4 weeks</b>	<b>4 weeks</b>	<b>4 Weeks</b>	<b>7 weeks</b>	<b>5 Weeks</b>	<b>4 Weeks</b>	<b>3 Weeks</b>	<b>2 Weeks</b>
Standards	7.PR.6 7.MP.1-8 Gifted: Strand 2, 3, 4	8.NR.1 8.NR.2 8.MP.1-8 Gifted: Strand 2, 3, 4	8.PAR.3 8.MP.1-8 Gifted: Strand 2, 3, 4	7.PAR.4 (5,7,8) 8.PAR.4 8.FGR.5 8.MP.1-8 Gifted: Strand 2, 3, 4	8.FGR.6 8.MP.1-8. Gifted: Strand 2, 3, 4	8.FGR.7 8.MP.1-8 Gifted: Strand 2, 3, 4	7.GSR.5 7.MP.1-8 Gifted: Strand 2, 3, 4	8.GSR.8 8.MP.1-8 Gifted: Strand 2, 3, 4	All course standards Gifted: Strand 2, 3, 4

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<p><b>Approaches To Learning Instructional Strategies</b></p>	<p><b>Category:</b> Social <b>Cluster:</b> Collaboration Skills <b>Skill Indicator:</b> Give and receive meaningful feedback.</p> <p><b>Category:</b> Self-management <b>Cluster:</b> Organization, Affective, &amp; Reflection Skills <b>Skill Indicator:</b> Keep an organized and logical system of information files/notebooks.</p>	<p><b>Category:</b> Social <b>Cluster:</b> Collaboration Skills <b>Skill Indicator:</b> Give and receive meaningful feedback.</p> <p><b>Category:</b> Self Management <b>Cluster:</b> Organization Skills <b>Skill Indicator:</b> Bring necessary equipment and supplies to class.</p>	<p><b>Category:</b> Social <b>Cluster:</b> Collaboration Skills <b>Skill Indicator:</b> Give and receive meaningful feedback.</p> <p><b>Category:</b> Thinking <b>Cluster:</b> Creative Thinking Skills <b>Skill Indicator:</b> Draw reasonable conclusions and generalizations.</p>	<p><b>Category:</b> Social <b>Cluster:</b> Collaboration Skills <b>Skill Indicator:</b> Give and receive meaningful feedback.</p>	<p><b>Category:</b> Social <b>Cluster:</b> Collaboration Skills <b>Skill Indicator:</b> Give and receive meaningful feedback.</p>	<p><b>Category:</b> Social <b>Cluster:</b> Collaboration Skills <b>Skill Indicator:</b> Give and receive meaningful feedback.</p> <p><b>Category:</b> Social <b>Cluster:</b> Collaboration Skills <b>Skill Indicator:</b> Manage and resolve conflict and work collaboratively in teams.</p>	<p><b>Category:</b> Social <b>Cluster:</b> Collaboration Skills <b>Skill Indicator:</b> Give and receive meaningful feedback.</p> <p><b>Category:</b> Self-management <b>Cluster:</b> Organization, Affective, &amp; Reflection Skills <b>Skill Indicator:</b> Keep an organized and logical system of information files/notebooks</p>	<p><b>Category:</b> Social <b>Cluster:</b> Collaboration Skills <b>Skill Indicator:</b> Give and receive meaningful feedback.</p> <p><b>Category:</b> Thinking <b>Cluster:</b> Creative Thinking Skills <b>Skill Indicator:</b> Draw reasonable conclusions and generalizations.</p>	<p><b>Category:</b> Social <b>Cluster:</b> Collaboration Skills <b>Skill Indicator:</b> Give and receive meaningful feedback.</p> <p><b>Category:</b> Thinking <b>Cluster:</b> Critical Thinking, Creative Thinking &amp; Transfer <b>Skill Indicator:</b> Use models and simulations to explore complex systems and issues</p>
<p><b>Statement of Inquiry</b></p>	<p>Decisions reached through logic may not always reflect beliefs about fairness.</p>	<p>Various numeric forms can be used to enhance our understanding of scientific principles.</p>	<p>Modeling the change in relationships can impact decision-making.</p>	<p>Modeling information in different forms helps us make decisions.</p>	<p>The choices we make affect our health and well-being.</p>	<p>Analyzing systems helps us make logical decisions.</p>	<p>We can use formulas to model structures and relationships in the real world.</p>	<p>People can explore relationships through measurement</p>	<p>A logical process helps to model and generalize the natural world.</p>
<p><b>Global Context</b></p>	<p>Fairness and Development</p>	<p>Scientific and Technical Innovation</p>	<p>Globalization and sustainability</p>	<p>Globalization and sustainability</p>	<p>Identities and Relationships</p>	<p>Scientific and Technical Innovation</p>	<p>Orientation in space and time</p>	<p>Orientation in space and time</p>	<p>Identities and Relationships</p>

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<b>Key Concepts</b>	<b>Logic</b> A method of reasoning and a system of principles used to build arguments and reach conclusions.	<b>Form</b> The shape and underlying structure of an entity or piece of work, including its organization, essential nature and external appearance.	<b>Relationships</b> The connections and associations between properties, objects, people and ideas.	<b>Form</b> The shape and underlying structure of an entity or piece of work, including its organization, essential nature and external appearance.	<b>Logic</b> A method of reasoning and a system of principles used to build arguments and reach conclusions.	<b>Logic</b> A method of reasoning and a system of principles used to build arguments and reach conclusions.	<b>Form</b> The shape and underlying structure of an entity or piece of work, including its organization, essential nature and external appearance.	<b>Relationships</b> The connections and associations between properties, objects, people and ideas.	<b>Logic</b> A method of reasoning and a system of principles used to build arguments and reach conclusions.
<b>Related Concepts</b>	Justification, Model, Generalization	Justification and Simplification	Model Representation	Model, Representation	Generalization, Model	Justification, System	Measurement, Space	Measurement, Space	Generalization
<b>Design Cycle Transdisciplinary</b>	Inquiring and Analyzing  Developing Ideas  Creating a Solution  Evaluating	Inquiring and Analyzing  Developing Ideas  Creating a Solution  Evaluating	Inquiring and Analyzing  Developing Ideas  Creating a Solution  Evaluating	Inquiring and Analyzing  Developing Ideas  Creating a Solution  Evaluating	Inquiring and Analyzing  Developing Ideas  Creating a Solution  Evaluating	Inquiring and Analyzing  Developing Ideas  Creating a Solution  Evaluating	Inquiring and Analyzing  Developing Ideas  Creating a Solution  Evaluating	Inquiring and Analyzing  Developing Ideas  Creating a Solution  Evaluating	Inquiring and Analyzing  Developing Ideas  Creating a Solution  Evaluating

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MYP Assessments / Performance Tasks	Unit 1 CFA Unit 1 SA	Unit 2 CFA Unit 2 SA	Unit 3 CFA Unit 3 SA	Unit 4 CFA Unit 4 SA	Unit 5 CFA Unit 5 SA	Unit 6 CFA Unit 6 SA	Unit 7 CFA Unit 7 SA	Unit 8 CFA Unit 8 SA	Grade 7 EOG
<b>Differentiation For Tiered Learners</b>	Marietta City Schools teachers provide specific differentiation of learning experiences for all students. Details for differentiation for learning experiences are included on the district unit planners.								