

Math Content Mapping - Middle School Last Reviewed: 3/14/22

Trimester	6th	7th	8th
1st	<ul style="list-style-type: none"> -Ratios & rates -Fractions, decimals, and percents -Compute w/ multi-digit #'s -Multiply and divide fractions 	<ul style="list-style-type: none"> Word Problem Solving Strategies Math Mindset Math Talk / Number Talk Scaling (DESMOS) Operations with Positive & Negative Numbers (iReady) *Homework iReady My Path Lessons 	<ul style="list-style-type: none"> Number System <ul style="list-style-type: none"> • Real Numbers <ul style="list-style-type: none"> ○ Essential Question: Why is it helpful to write numbers in different ways? Expressions and Equations <ul style="list-style-type: none"> • Equations in One Variable <ul style="list-style-type: none"> ○ Essential Question: What is equivalence? • Equations in Two Variables <ul style="list-style-type: none"> ○ Essential Question: Why are graphs helpful?
2nd	<ul style="list-style-type: none"> -Integers and the coordinate plane -Expressions -Equations -Functions and Inequalities 	<ul style="list-style-type: none"> Word Problems Math Talk / Number Talk Proportional Relationships (DESMOS) Expressions, Equations & Inequalities (iReady) *Homework iReady My Path Lessons 	<ul style="list-style-type: none"> Function <ul style="list-style-type: none"> • Functions <ul style="list-style-type: none"> ○ Essential Question: How can we model relationships between quantities? Geometry <ul style="list-style-type: none"> • Triangles and the Pythagorean Theorem <ul style="list-style-type: none"> ○ Essential Question: How can algebraic concepts be applied to geometry? • Transformation <ul style="list-style-type: none"> ○ Essential Question: How can we best show or describe the change in

			<p>position of figure?</p> <ul style="list-style-type: none"> • Congruence and Similarity <ul style="list-style-type: none"> ○ Essential Question: How can you determine congruence and similarity? • Volume and Surface Area <ul style="list-style-type: none"> ○ Essential Question: Why are formulas important in math and science? • Scatter Plots and Data Analysis
3rd	<ul style="list-style-type: none"> -Area -Volume & Surface Area -Statistical Measures -Statistical Displays 	<p>Word Problems</p> <p>Math Talk / Number Talk</p> <p>Measuring Circles (DESMOS)</p> <p>Probability & Sampling (DESMOS)</p> <p>Angles, Triangles & Prisms (iReady)</p> <p>*Homework iReady My Path Lessons</p>	<p>Statistics and Probability</p> <p>Scatter Plots and Data Analysis</p> <ul style="list-style-type: none"> ○ Essential Question: How are patterns used when comparing two quantities? <p>Yearly Review</p>

Science Content Mapping - Middle School Last Reviewed: 3/14/22

Trimester	6th	7th	8th
1st	<ul style="list-style-type: none"> -The atmosphere and energy -Cells 	<p>Matter</p> <ul style="list-style-type: none"> ● Composition of matter ● Energy and Matter in Ecosystems ● Earth Processes Through Geological Time ● Earth's Systems ● Chemical Reactions 	<ul style="list-style-type: none"> ● Forces ● Mechanical Waves ● The Earth-Sun-Moon System ● Light Waves
2nd	<ul style="list-style-type: none"> -Weather -Traits -Bodies 	<p>Earth's resources</p> <ul style="list-style-type: none"> ● Processes that Shape Earth ● Resources in Ecosystems ● States of Matter 	<ul style="list-style-type: none"> ● Noncontact Forces ● The Solar System ● The Solar System and Beyond ● The History of Life on Earth
3rd	<ul style="list-style-type: none"> -Climate -Genes -Changes in genes 	<p>Sustaining Resources</p> <ul style="list-style-type: none"> ● Earth's Natural Hazards ● Humans and Changing Ecosystems 	<ul style="list-style-type: none"> ● The Evolution of Life ● Kinetic and Potential Energy ● Human Impacts on Evolution ● Thermal Energy ● Waves for Information Transfer