

Mount Laurel School District Grade 8 Overview

Subject Area		September	October	November	December	January	February	March	April	May	June
Mathematics	Grade 7/8 Algebra	<ul style="list-style-type: none"> -Variable -Exponents & Powers -Order of Operations -Equations & Inequalities -Problem Solving Using Models -Adding, Subtracting, Multiplying & Dividing Integers -Distributive Property -Probability & Odds -Solving a Formula for a Variable -Rates, Ratios, & Percents 		<ul style="list-style-type: none"> -Coordinates & Scatter Plots -Graphing Linear Equations -Slope/Functions -Direct Variation Writing Linear Equations -Fitting a Line to Data -Predicting with Linear Models -Solving Inequalities -Absolute Value Equations -Measures of Central Tendency 		<ul style="list-style-type: none"> -Solving Systems of Linear Equations -Solving & Graphing Systems of Linear Equalities -Multiplying & Dividing Expressions with Exponents -Scientific Notation -Exponential Growth & Decay Models -Square Roots & Simplifying Radicals -Solving Quadratic Equations -Graphing Quadratic Inequalities 		<ul style="list-style-type: none"> -Solving Systems of Linear Equations -Solving & Graphing Systems of Linear Equalities -Multiplying & Dividing Expressions with Exponents -Scientific Notation -Exponential Growth & Decay Models -Square Roots & Simplifying Radicals -Solving Quadratic Equations -Graphing Quadratic Inequalities 			
	Grade 8 Geometry	<ul style="list-style-type: none"> -Undefined Terms -Postulates & Theorems Relating the Undefined terms -Segments & Angles -Deductive Reasoning -“If/Then” statements: Converses -Truth Tables (Proving Lines Parallel; Proof Writing) 		<ul style="list-style-type: none"> -Proving Triangles Congruent -Properties of Parallelograms, Rectangles, Rhombuses, Squares & Trapezoids -Triangle Inequalities & Indirect Proof 		<ul style="list-style-type: none"> -Similar Polygons -Right Triangles & the Pythagorean Theorem -Right Triangle Trigonometry -Circles 		<ul style="list-style-type: none"> -Areas of Plane Figures -Ratio of Areas -Geometric Probability -Areas & Volumes of Solids -Coordinate Geometry & Coordinate Proofs 			
	Grade 8 Pre-Algebra	<ul style="list-style-type: none"> -Integers -Order of Operations -Expressions 		<ul style="list-style-type: none"> -Equations -Inequalities -Percents 		<ul style="list-style-type: none"> -Geometry -Linear Equations -Non-Linear Equations 		<ul style="list-style-type: none"> -Non-Linear Equations -Discrete Math -Trigonometry -Polynomials 			
		<p>(Selected Investigations)</p> <p>Looking for Pythagoras (Pythagorean Theorem, geometric properties, exponents, roots) : Growing, Growing, Growing (numerical operations, exponents, roots, growth patterns) Say It With Symbols (exponents, algebraic order of operations, measuring objects, modeling, linear equations) Frogs, Fleas & Painted Cubes (square & cube roots, geometric patterns & objects) Thinking With Mathematical Models (data patterns, linear models, equations, inverse variation)</p> <p style="text-align: right;">Filling and Wrapping (measuring geometric objects, surface area, volume) Clever Counting (discrete math, factorials, vertex edge graphs)</p> <p>-----Mini-lessons -----Problem Solving -----Open-Ended Dist. Assessment -----</p>									

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Science	<i>Science Skills/ Procedures/ Equipment Use</i>		<i>Classification/Organisms & Evolution</i>		<i>Cells & Heredity</i>		<i>Body Systems</i>		<i>Physical Science</i>	
			<i>Ecosystems and Natural Cycles</i>							
Social Studies	<u>AMERICAN HISTORY</u>					<u>EXPANSIONISM TO WORLD POWER</u>				
	<i>Citizenship in Action</i> A good citizen is essential for the survival of democracy	<i>Era of Expansion</i> Westward expansion played a necessary part in the development of this country	<i>Division and Reunion</i> The division and reunion of the United States has deep roots and unresolved issues.	<i>Transforming the Nation</i> Industrial and technological change generated new challenges and problems for the nation	<i>Mount Laurel</i> Mount Laurel history and government is a rich reflection of our nation's past	<i>A New Role for the Nation</i> The territorial and industrial growth of the United State creates a new World Power				

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World Languages	Related Arts French (One Marking Period)	<i>Background and History of Languages</i>			<i>(New Cycle)</i>			<i>(New Cycle)</i>		<i>(New Cycle)</i>	
		<i>Greetings and Expressions of Courtesy</i>									
		<i>Classroom Objects/Commands</i>									
		<i>Numbers 1-100</i>									
		<i>Days, Months, Seasons</i>									
		<i>Geography</i>									
	French I	<i>French-Speaking</i> -World/Famous Francophones -Importance of learning French Its relevance & importance -Greetings/Goodbyes -Numbers -Classroom expressions Understanding instructions in French -Leisure activities/Like & Dislikes -Time		<i>School subjects & school related items</i> -Curriculum in French-Schools/Le Bac French grading system as compared to American -Adjectives -Asking for information & expressing thanks Holding conversations dealing with school/schedules/supplies			<i>-Sports & Hobbies</i> -Weather Expressions/Months/Seasons -Food and Beverage -Places to go -Things to do -Family/Family members		<i>-Characterizing & Describing People</i> Describing oneself & others -Food items & expressions of quantity Expressing needs and wants/offering, accepting or refusing -Daily Activities making, accepting and declining requests -Making & Answering a phone call -Expressing opinions Telling someone what to do Asking for and expressing opinions/advice		
	Spanish I	<i>Spain</i>	<i>Puerto Rico</i>			<i>Texas</i>	<i>Costa Rica</i>	<i>Chile</i>		<i>Mexico</i>	

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ESL	<p style="text-align: center;">← Language →</p> <p style="text-align: center;">Daily edits, idioms, skills</p>									
	<p>Writer's Workshop -Crafting Elements Introduce Writer's Workshop and writing expectations. Introduce figurative language, mechanics and conventions of writing and organization or paragraphs</p> <p>Reader's Workshop -First 21 days lesson Fountas & Pinell Introduce expectations of the Reader's Workshop and foundation of life long reading. Establish routine</p> <p>Interactive Notebooks -Unit-Places We Live -Holidays Establish guidelines, build vocabulary, reading, comprehension, practice writing skills. Promote responsibility and independent research</p>	<p>Writer's Workshop -Continue Crafting Elements -Show Don't Tell, Scene vs. Summary, Observational Writing -Compare/Contrast Build figurative language skills, mechanics and conventions of writing, descriptive language – build vocabulary – adj./adverbs</p> <p>Reader's Workshop -Mini lessons -Guided Reading Lessons depend on observation of students</p> <p>Interactive Notebooks -Unit-Trees & Plants -Holidays Build vocabulary, reading comprehension skills, writing skills, promote responsibility and independent research</p>	<p>Writer's Workshop -Risk/Voice -Memoir Structures -Expository (research) Develop writing to engage the reader with their voice, mechanics and conventions of writing compare and contrast essay</p> <p>Reader's Workshop -Literature Circle – Fiction Sharing and listening to others to promote deeper thinking/cooperative learning</p> <p>Interactive Notebooks -Unit-Jobs & Occupations -Holidays Build vocabulary, reading comprehension skills, writing skills, promote responsibility and independent search</p>	<p>Writer's Workshop -Memoir Picture Book -Persuasive Create a picture book, mechanics and conventions of writing, illustration, Persuasive essay</p> <p>Reader's Workshop -Literature Circle-Non-Fiction (Independent) sharing and listening to others to promote deeper thinking/cooperative learning</p> <p>Interactive Notebooks -Unit-Entertainment -Holidays Build vocabulary, reading comprehension skills, writing skills, promote responsibility and independent research</p>	<p><i>*ACCESS Testing*</i> March through April</p>					
Physical Education	<p style="text-align: center;">← -Fitness -Motor Skill Development -Integrated Skills (Character, Leadership, Goal Setting, etc) →</p> <p style="text-align: center;">Presidential Fitness Testing Presidential Fitness Testing</p>									