

# WBAIS Middle School: Grade 8

	August	September	October	November	December	January	February	March	April	May/June		
<b>SUBJECT</b>	<b>Trimester I</b>				<b>Trimester II</b>				<b>Trimester III</b>			
<b>MATH 8</b>	Assessment: End-of-Year Assessment (Algebra/Geometry Readiness- Shared with Grade 9 teachers- Analyzed by M. Wescott; High Utility) Assessment: MidYear Assessment: Shared with Students/Parents											
	Geometric Properties:	Transformation of Shapes	Coordinate Geometry	Geometric Models	Patterns and Algebraic Expressions	Solving Equations; Rates/Ratios/Proportions	Understanding Inequalities	Graphing Relationships	Linear Equations	Unit 6: Solving Systems of Equations		
<b>ALGEBRA</b>	Assessment: Algebra Readiness Assessment; End-of-Year Assessment											
	Unit 1: Algebraic Expressions (Writing/Simplifying/Evaluating/Graphing)	Unit 2: Solving Equations (1 Step and 2 Step)	Unit 3: Understanding Inequalities (Graphing/Solving)	Unit 4: Graphing Relationships; Understanding Function	Unit 5: Linear Equations	Unit 6: Solving Systems of Equations	Unit 7: Simplifying expressions with Negative Exponents (Scientific Notation)	Unit 8: Factoring	Unit 9: Quadratic Functions/Equations	Unit 10: Radical Expressions		
	Review : Algebraic Thinking											
<b>SCIENCE:</b>	<i>Physical science principles, including fundamental ideas about matter, energy, and motion, are powerful conceptual tools for making sense of phenomena in physical, living, and Earth systems. (NAEP, 2009 Framework)</i>											
	Measurement of Variables: Identification/Manipulation/Analysis/Communication (Assessment to be designed this year to use as an End-of-Year assessment. 2011/12 will be used as a Beginning/End of Year Assessment)											
	The Scientific Method: Lab Report Writing				NESA Virtual Science Fair							
	Scientific Method and Lab Report Writing	<b>Characteristic Properties of Matter</b>					<b>Motion and Energy</b>			<b>Light and Optics</b>		
		1.1: Students will develop an understanding of the characteristic properties of matter and the relationship of these properties to their structure and behavior (AERO).										
		<b>Properties of Matter</b>		<b>Mixtures and Solutions</b>		<b>NESA Virtual Science Fair</b>	<b>Chemistry</b>					
Scientific Labs Reports												
Alternative Assessment POM				Alternative Assessment								
Assessment: End-of-Unit		Assessment: End-of-Unit		Assessment: End-of-Unit			Assessment: End-of-Unit		Assessment: End-of-Unit			
<b>SOCIAL STUDIES:</b> Conflict	Geography is an essential part of a student's appreciation for their environment and its influence and value in their lives. (from Atlas) A system of government is evidence of a country's historical past; to understand what is now requires an understanding of what was when.											
	<b>Regional</b>					<b>Regional/World</b>				<b>World</b>		
	<b>Supporting a theoretical understanding of key constructs related to the form and function of government and its affect on human behavior (personal, affiliation, regional, citizenry)</b>					<b>Application of theoretical constructs to real-world/right-now issues (Current Events)</b>						
	Assessment- 6 Persuasive Writings (Issue related to the unit of study; criteria for success dep't on specific content benchmarks and persuasive skills)											
<b>READING:</b>	Novel Study: Plot, Theme, Conflict, Characterization, Setting (Approach to differentiation dependent on the transparency of the elements as they are presented in text.) Text taught/considered in the past: The Outsiders, Of Mice and Men											
<b>WRITING:</b> 6+1 Writing	Persuasive Writing: <b>In persuasive or argumentative writing, we try to convince others to agree with us by accepting our arguments and conclusion so they might adopt our way of thinking. (Elements of a persuasive essay: establishing facts (to support an argument); clarifying relevant issues (for your audience); determining how facts should be shared with the audience; forming and stating your conclusion; persuading your audience that your conclusions are based upon agreed upon facts/values.)</b>											
	<ul style="list-style-type: none"> <li>• Outline, Paraphrasing, Organization (Ideas), Thesis Formation, Topic Sentence, Communication of Understanding, Simple, Clean, Coherent Writing</li> </ul> Preparation for writing requirements in HS English/History.											
	Criteria for Success consistent across the course and related to the features/elements of Persuasive Writing.											
<b>Grammar Scope and Sequence (Excel Document):</b> Paragraph appropriately; Write in complete sentences, varying the kinds of sentences; Avoid run-ons or fragments in sentences; Use simple, compound, and complex sentences; Demonstrate control over the uses of various kinds of subjects, verbs, and compliments; Use conjunctions and prepositions to connect ideas meaningfully; Capitalize and punctuate correctly for grade level; Use correct subject/verb and pronoun/antecedent agreement; Use consistent verb tense or shift appropriately; Use adjectives and adverbs appropriately; Recognize and use interjections in a meaningful way, and; Recognize and apply spelling rules for compound words, plural nouns, and other commonly misspelled word												