

Grade Level(s) <u>HS</u>	Course <u>Algebra I B</u>	Date Last Revised <u>April 21, 2010</u>
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Pacing <i>Year, Month or Week (length of time)</i>	Curriculum Focus				Instructional Strategies & Activities <i>Interventions, accommodations, technology integration (required &amp; supplemental materials)</i>	Resources <i>Various resources used to support student learning (i.e.), technology, media, required &amp; supplemental materials.</i>	Assessments <i>Types: classroom, rubrics, common grade level, formative, subjective, evidence used to measure performance &amp; skills</i>
	GLCE/HSCE Aligned Standard/Benchmark <i>Include Code (ie: N.ME.04.05), Description/Objective</i>	Unit(s) or Topic(s)	Student Skills  <i>The student will be able to successfully complete each of the following.</i>	Vocabulary Words To Know Content & Academic <i>Not limited to list <b>but</b> shows relationship to content/topic</i>			
<b>Weeks 1-2 of 12</b>		7-1: Integer Exponents	Evaluate expressions containing zero and integer exponents.  Simplify expressions containing zero and integer exponents..	•	<ul style="list-style-type: none"> <li>• Partner-pairs</li> <li>• Board review</li> <li>• Demonstrations                             <ul style="list-style-type: none"> <li>○ Taking notes</li> <li>○ Example problems</li> </ul> </li> <li>• After-school tutorial</li> <li>• Direct instruction</li> <li>• Daily practice problems</li> <li>• Practice testing</li> <li>• Create multiplication tables.</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• Textbook</li> <li>• PowerPoint lessons on projector</li> <li>• Practice, Reteach, Reading Strategies and Challenge activities</li> <li>• Know-it-Notebook</li> <li>• Pinnacle Parent-Viewer</li> <li>• Internet help</li> <li>• Scientific calculator</li> <li>• Rope</li> <li>• Overhead projector</li> <li>• Vocabulary Definition Worksheet</li> <li>• Algebra squares</li> </ul>	<ul style="list-style-type: none"> <li>• 5-minute quizzes</li> <li>• Teacher observation</li> <li>• Self-checked assignments</li> <li>• Teacher-checked assignments</li> <li>• Notebook checks</li> <li>• Formative assessments</li> <li>• Summative assessments</li> <li>• Multiplication table warm-up</li> </ul>
		7-2: Powers of 10 and Scientific Notation	Evaluate and multiply by powers of 10.  Convert between standard notation and scientific notation.	•			
		7-3: Multiplication Properties of Exponents	Use multiplication properties of exponents to evaluate and simplify expressions.	•			
		7-4: Division Properties of Exponents	Use division properties of exponents to evaluate and simplify expressions	•			
		7-5: Polynomials	Classify polynomials and write polynomials in standard form.  Evaluate polynomial expressions.	<ul style="list-style-type: none"> <li>• Monomial</li> <li>• Degree of a monomial</li> <li>• Polynomial</li> <li>• Degree of a polynomial</li> <li>• Standard form of a polynomial</li> <li>• Leading coefficient</li> <li>• Quadratic</li> <li>• Cubic</li> <li>• Binomial</li> <li>• Trinomial</li> </ul>			
		7-6: Adding and Subtracting Polynomials	Add and subtract polynomials	•			
		7-7: Multiplying Polynomials	Multiply polynomials				

		7-8: Special Products of Binomials	Find special products of binomials.	<ul style="list-style-type: none"><li>• Perfect square trinomial</li><li>• Difference of two squares,</li></ul>			
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Weeks 3-4 of 12		8-1: Factors and Greatest Common Factors	Write the prime factorization of numbers.  Find the GCF of monomials.	<ul style="list-style-type: none"> <li>• Prime factorization</li> <li>• Greatest common factor</li> </ul>	<ul style="list-style-type: none"> <li>• Partner-pairs</li> <li>• Board review</li> <li>• Demonstrations               <ul style="list-style-type: none"> <li>◦ Taking notes</li> <li>◦ Example problems</li> </ul> </li> <li>• After-school tutorial</li> <li>• Direct instruction</li> <li>• Daily practice problems</li> <li>• Practice testing</li> <li>• Create multiplication tables.</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• Textbook</li> <li>• PowerPoint lessons on projector</li> <li>• Practice, Reteach, Reading Strategies and Challenge activities</li> <li>• Know-it-Notebook</li> <li>• Pinnacle Parent-Viewer</li> <li>• Internet help</li> <li>• Scientific calculator</li> <li>• Rope</li> <li>• Overhead projector</li> <li>• Vocabulary Definition Worksheet</li> <li>• Algebra squares</li> </ul>	<ul style="list-style-type: none"> <li>• 5-minute quizzes</li> <li>• Teacher observation</li> <li>• Self-checked assignments</li> <li>• Teacher-checked assignments</li> <li>• Notebook checks</li> <li>• Formative assessments</li> <li>• Summative assessments</li> <li>• Multiplication table warm-up</li> </ul>
		8-2: Factoring by GCF	Factor polynomials by using the GCF.	•			
		8-3: Factoring $x^2 + bx + c$	Factor quadratic trinomials of the form $x^2 + bx + c$ .	•			
		8-4: Factoring $ax^2 + bx + c$	Factor quadratic trinomials of the form $ax^2 + bx + c$ .	•			
		8-5: Factoring Special Products	Factor perfect-square trinomials.  Factor the difference of two squares.	•			
		8-6: Choosing a Factoring Method	Choose an appropriate method for factoring a polynomial.  Combine methods for factoring a polynomial.	•			

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<b>Weeks 5-6 of 12</b>					<ul style="list-style-type: none"> <li>• Partner-pairs</li> <li>• Board review</li> <li>• Demonstrations               <ul style="list-style-type: none"> <li>○ Taking notes</li> <li>○ Example problems</li> </ul> </li> <li>• After-school tutorial</li> <li>• Direct instruction</li> <li>• Daily practice problems</li> <li>• Practice testing</li> <li>• Create multiplication tables.</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• Textbook</li> <li>• PowerPoint lessons on projector</li> <li>• Practice, Reteach, Reading Strategies and Challenge activities</li> <li>• Know-it-Notebook</li> <li>• Pinnacle Parent-Viewer</li> <li>• Internet help</li> <li>• Scientific calculator</li> <li>• Rope</li> <li>• Overhead projector</li> <li>• Vocabulary Definition Worksheet</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• 5-minute quizzes</li> <li>• Teacher observation</li> <li>• Self-checked assignments</li> <li>• Teacher-checked assignments</li> <li>• Notebook checks</li> <li>• Formative assessments</li> <li>• Summative assessments</li> <li>• Multiplication table warm-up</li> </ul>

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<b>Weeks 7-8 of 12</b>					<ul style="list-style-type: none"> <li>• Partner-pairs</li> <li>• Board review</li> <li>• Demonstrations               <ul style="list-style-type: none"> <li>○ Taking notes</li> <li>○ Example problems</li> </ul> </li> <li>• After-school tutorial</li> <li>• Direct instruction</li> <li>• Daily practice problems</li> <li>• Practice testing</li> <li>• Create multiplication tables.</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• Textbook</li> <li>• PowerPoint lessons on projector</li> <li>• Practice, Reteach, Reading Strategies and Challenge activities</li> <li>• Know-it-Notebook</li> <li>• Pinnacle Parent-Viewer</li> <li>• Internet help</li> <li>• Scientific calculator</li> <li>• Rope</li> <li>• Overhead projector</li> <li>• Vocabulary Definition Worksheet</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• 5-minute quizzes</li> <li>• Teacher observation</li> <li>• Self-checked assignments</li> <li>• Teacher-checked assignments</li> <li>• Notebook checks</li> <li>• Formative assessments</li> <li>• Summative assessments</li> <li>• Multiplication table warm-up</li> </ul>

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Weeks 9-10 of 12					<ul style="list-style-type: none"> <li>• Partner-pairs</li> <li>• Board review</li> <li>• Demonstrations               <ul style="list-style-type: none"> <li>○ Taking notes</li> <li>○ Example problems</li> </ul> </li> <li>• After-school tutorial</li> <li>• Direct instruction</li> <li>• Daily practice problems</li> <li>• Practice testing</li> <li>• Create multiplication tables.</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• Textbook</li> <li>• PowerPoint lessons on projector</li> <li>• Practice, Reteach, Reading Strategies and Challenge activities</li> <li>• Know-it-Notebook</li> <li>• Pinnacle Parent-Viewer</li> <li>• Internet help</li> <li>• Scientific calculator</li> <li>• Rope</li> <li>• Overhead projector</li> <li>• Vocabulary Definition Worksheet</li> <li>• Rope</li> <li>• Wood stair support</li> </ul>	<ul style="list-style-type: none"> <li>• 5-minute quizzes</li> <li>• Teacher observation</li> <li>• Self-checked assignments</li> <li>• Teacher-checked assignments</li> <li>• Notebook checks</li> <li>• Formative assessments</li> <li>• Summative assessments</li> <li>• Multiplication table warm-up</li> </ul>
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