

CURRICULUM MAP

SUBJECT: College Review Math GRADE: 12

MONTH	ESSENTIAL QUESTION	CONTENT (CHAPTER/UNIT DESCRIPTION/ACTIVITIES)	SKILLS (STANDARDS/LEARNING OUTCOMES)	MATERIALS/ RESOURCES	ASSESSMENT (Objective/Subjective)
Approximately 4-6 weeks	<p>How do I know if two numbers are equivalent?</p> <p>How do I choose the best form of a number to use to solve a problem?</p>	<p>Fractions</p> <ul style="list-style-type: none"> • Meaning, equivalency • Operations <p>Decimals</p> <ul style="list-style-type: none"> • Meaning, equivalency • Operations <p>Ratio & Proportion</p> <ul style="list-style-type: none"> • Meaning & use • Rate • Proportions • Proportional reasoning • Scientific notation <p>Percent</p> <ul style="list-style-type: none"> • Meaning equivalence • Use 	<p>Simplify numerical expressions with powers and roots</p> <ul style="list-style-type: none"> • 12N.2 • A1N4 • AIP11 <ul style="list-style-type: none"> • 12P13 • 12M.2 	<p>HRW text Making Sense of Numbers</p> <p>And/or</p> <p>Competency Packets Northshore Community College website</p> <p>Amsco text Chapter 13</p> <p>NCTM Student Notes “Lunch Anyone?”</p> <p>100% website Scale Drawing from text</p> <p>Chapter 2, Sec. 3</p>	<p>Paper and Pencil Quizzes</p>

1 week	How can I organize solutions for problem solving?	Order of Operations <ul style="list-style-type: none"> Numerical expressions Evaluation & Substitution 	<ul style="list-style-type: none"> A11N2 	IMP 1	Quizzes & Test
1 week	How can I maximize my score on standardized tests?	SAT preparation & Test-Taking Skills <ul style="list-style-type: none"> Strategies Skills 		Kaplan Ratio, Rates sample test	Quiz
4 weeks	How do I use variables in expressions? How do I know if two expressions are equivalent? What is the difference between an expression and an equation?	Algebra terms and operations Expressions <ul style="list-style-type: none"> Variable Variable expression Evaluating variable expressions Equivalent variable expressions Equations and Inequality <ul style="list-style-type: none"> Open sentences and solutions Expressions vs. equations Formulas Polynomials	<ul style="list-style-type: none"> 12P8 A1N2 A1N4 A1P2 	Chapter 4, Sec 1-5 Chapter 5, Sec 1-7 Chapter 4, Sec 10 Chapter 6 and 10	

4-6 weeks	How do I operate with polynomials?	<ul style="list-style-type: none"> • Exponents • Definition of polynomial • Operations • Multiplication/Factoring 	<ul style="list-style-type: none"> • 12P6 • 12P11 • 12P1 • A1P7 • A1P8 	Chapter 9, 10, and 18	
Supplemental 1 or 2 weeks	<p>How do I work with irrational numbers as radicals?</p> <p>How can I solve a problem using more than one equation?</p> <p>Why do I need to know so much about right triangle and proportions? What good are they?</p>	<p>Radicals</p> <p>Systems of Linear Equations</p> <p>Trigonometry</p> <ul style="list-style-type: none"> • Review of the right triangle • Basic trig ratios • Use in problem solving 	<ul style="list-style-type: none"> • Calculate the basic trig ratios • Apply the ratios in order to solve problems using the right triangle 	Text: AW Focus on Advanced Algebra II, Chapter 8	