

**College Prep Mathematics Course B
2015-16 Calendar with Scope & Sequence**

Weeks	Description	
	<i>Chapter 4: Systems of Equations</i>	
	4.1 Graphing (<i>review only</i>)	
	4.2 Substitution (<i>review only</i>)	
	4.3 Addition/Elimination (<i>review only</i>)	
	4.5 Application: Value Problems	
	4.6 Application: Mixture Problems	
	<i>Chapter 5: Polynomials (condensed review)</i>	
End of 3 rd Week	5.1 – 5.7 review from SEM A	
	<i>Chapter 6: Factoring (condensed review)</i>	
	6.1 Greatest Common Factor	
	6.2 Grouping	
	6.3 Trinomials where $a=1$	
	6.4 Trinomials where $a \neq 1$	
	6.5 Factoring Special Products	
	6.6 Factoring Strategies	
End of 6 th Week	6.7 Solve by Factoring	
	<i>Chapter 7: Rational Expressions</i>	
	7.1 Reduce Rational Expressions	
	7.2 Multiply and Divide	
	7.3 Least Common Denominator	
	7.4 Add and Subtract	
	7.5 Complex Fractions	
	7.6 Proportions	
End of 9 th Week	7.7 Solving Rational Equations	
	7.8 Application: Dimensional Analysis	
	<i>Chapter 8: Radicals</i>	
	8.1 Square Roots	
	8.2 Higher Roots	
	8.3 Adding Radicals	
	8.4 Multiply and Divide Radicals	
	8.5 Rationalize Denominators	
End of 12 th Week	8.6 Rational Exponents	
	8.8 Complex Numbers	
	<i>Chapter 9: Quadratics</i>	
	9.1 Solving With Radicals	
	9.2 Solving With Exponents	
	9.3 Complete the Square	
	9.4 Quadratic Formula	
	9.5 Build Quadratic From Roots	
End of 15 th Week	9.6 Quadratic in Form	
	9.7 Application: Rectangles	
	9.8 Application: Teamwork	
	9.11 Graphs of Quadratics	
	<i>Chapter 10: Functions</i>	
	10.1 Function Notation	
	10.2 Operations on Functions	
	10.4 Exponential Functions	
End of semester B	10.6 Application: Compound Interest	