

# PAP Algebra II

## Scope and Sequence – 1<sup>st</sup> Six Weeks

TEKS	Unit/Bundle	Duration	Resources	Teacher Notes/ Best Practices
2A.2.A	<b>Solving equations and inequalities</b>	11 days	McDougal Littell Alg. 2 book Chapter 1	Human Number Line on section 1.7
2A.1.A 2A.1.B 2A.4.A 2A.4.B	<b>Linear equations and functions</b>	17days	McDougal Littell Alg. 2 book Chapter 2	Use CBL and motion detector for 2.2

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## Scope and Sequence - 2nd Six Weeks

TEKS	Unit/Bundle	Duration	Resources	Teacher Notes/ Best Practices
2A.1.A 2A.2.A 2A.3.A 2A.3.B 2A.3.C	<b>Linear Systems and Matrices</b>	11 days	McDougal Littell Alg. 2 book Chapter 3	Use Linguini noodles for multiplying matrices
2A.1.B 2A.2.A 2A.2.B 2A.3.A 2A.3.B 2A.4.A 2A.4.B 2A.5.E 2A.6.A 2A.6.B 2A.6.C 2A.7.A 2A.7.B 2A.8.A 2A.8.B 2A.8.C 2A.8.D	<b>Quadratic Functions and Factoring</b>	21days  14 days in second six weeks and 7 days in third six weeks	McDougal Littell Alg. 2 book Chapter 4	Use Algebra Tiles for completing the square, section 4.7  “Shooting a man out of a cannon” activity after Parabolas.
	<b>Benchmark 1</b>	3 days		

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## Scope and Sequence – 3rd Six Weeks

TEKS	Unit/Bundle	Duration	Resources	Teacher Notes/ Best Practices
2A.1.A 2A.1.B 2A.2.A 2A.3.B 2A.4.A 2A.4.B 2A.8.B	<b>Polynomial and Polynomial Functions</b>	10 days	McDougal Littell Alg. 2 book Chapter 5 sections 1, 3-7)	
	<b>TAKS review</b>	3 days		
	<b>Benchmark 2</b>	3 days		
	<b>Semester Exam review and Semester Exams</b>	6 days		

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## Scope and Sequence – 4th Six Weeks

TEKS	Unit/Bundle	Duration	Resources	Teacher Notes/ Best Practices
2A.1.A 2A.2.A 2A.4.B 2A.4.C 2A.9.A 2A.9.B 2A.9.C 2A.9.D 2A.9.E 2A.9.F 2A.9.G	<b>Rational Exponents and Radical Functions</b>	14 days	McDougal Littell Algebra 2 book, Chapter 6	Exploring Inverse Functions Activity – p. 437
2A.2.A 2A.4.B 2A.4.C 2A.11.A 2A.11.B 2A.11.C 2A.11.D 2A.11.E 2A.11.F	<b>Exponential and Logarithmic Functions</b>	12 days	McDougal Littell Algebra 2 book, Chapter 7	
	<b>TAKS review</b>	1 day		

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## Scope and Sequence – 5th Six Weeks

TEKS	Unit/Bundle	Duration	Resources	Teacher Notes/ Best Practices
2A.1.B 2A.2.A 2A.10.A 2A.10.B 2A.10.C 2A.10.D 2A.10.E 2A.10.F 2A.10.G	<b>Rational Functions</b>	19 days	McDougal Littell book, Chapter 8	Include point of discontinuity with 8.3
	<b>Benchmark #3</b>	3 days		
	<b>TAKS Review</b>	6 days		

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## Scope and Sequence – 6th Six Weeks

TEKS	Unit/Bundle	Duration	Resources	Teacher Notes/ Best Practices
2A.2.A 2A.3.A 2A.3.B 2A.3.C 2A.5.A 2A.5.B 2A.5.C 2A.5.D 2A.5.E	<b>Quadratic Relations and Conic Sections</b>	23 days	McDougal Littell Algebra II book, Chapter 9	Act out definitions of circle and ellipse using string.  Drawing project with circles, ellipses, and their equations.
	<b>TAKS Testing</b>	4 days		
	<b>Semester Exam Review and Semester Exam</b>	5 days		