



# ABSS Math II Scope & Sequence

The scope and sequence is a beginning point for teachers when building assessments, creating lesson plans, and meeting with PLC's. The prioritized standards for each unit are **highlighted in yellow**. The Honors Standards are highlighted in blue.

Unit #	Title of Unit	~ # of Days	Common Core Standards	Key Concepts	Pearson CC Math II	Pearson CC Math III
1	Connecting Algebra & Geometry through Coordinates	10	G.CO.2 G.CO.3 G.CO.4 <b>G.CO.5</b> <b>G.SRT.1a</b> G.GPE.1 G.GPE.6	<ul style="list-style-type: none"> <li>Basic Geometric Notation</li> <li>Transformations (w/ and w/o coordinates)</li> <li>Symmetry</li> <li>Equations of Circles</li> <li>Find length (distance), midpoint, and any ration partition point for a line segment</li> </ul>	6.6	3.9 Lesson Lab 11.1
2	Congruence, Equality, and Inequality	9	<b>N.RN.2</b> <b>N.Q.1</b> N.Q.3 <b>A.SSE.3c</b> <b>A.CED.1</b> A.REI.2	<ul style="list-style-type: none"> <li>Equivalent Expressions (Including radical expressions written w/ rational exponents)</li> <li>Number Properties</li> <li>Literal Equations</li> <li>Variation</li> <li>Inequalities</li> </ul>		2.1 2.2 2.4 2.6 6.5
3	Reasoning	6	G.CO.6	<ul style="list-style-type: none"> <li>Triangle Congruence</li> </ul>	Chapter 3	

	<b>&amp; Proofs</b>		G.CO.7 G.CO.8 G.CO.10 G.CO.13	Proof (including CPCTC) <ul style="list-style-type: none"> <li>Algebraic Proof</li> <li>Coordinate Proof</li> </ul>		
<b>4</b>	<b>Similarity &amp; Trigonometry</b>	14	N.Q.1 N.Q.3 G.SRT.1 G.SRT.6 G.SRT.7 G.SRT.8 G.SRT.9 (+) G.SRT.11 (+)	<ul style="list-style-type: none"> <li>Dilations</li> <li>Similar Triangles</li> <li>Basic Right Triangle Trig</li> <li>Solve Right Triangles</li> <li>Similar Triangle Proofs</li> </ul>	Chapter 6 (exclude 6.3)  Chapter 7	8.10 8.11 (Law of Sine & Cosine)
<b>5</b>	<b>Polynomials (mostly quadratics)</b>	15	N.Q.1 N.Q.3 A.SSE.1a A.SSE.1b A.SSE.2 A.SSE.3c A.APR.1 A.APR.3 A.CED.1 A.CED.4 A.REI.1 A.REI.4b A.REI.7 F.IF.2 F.IF.8 F.BF.1	<ul style="list-style-type: none"> <li>Polynomial Operations</li> <li>Solve Quadratic Equations: <ul style="list-style-type: none"> <li>Graphing</li> <li>Factoring</li> <li>Quadratic Formula</li> </ul> </li> <li>Systems of Equations (Linear and Non-Linear Equations)</li> </ul>	Chapter 11.1 - 11.8	3.7
<b>6</b>	<b>Probability</b>	17	S.CP.1 S.CP.2 S.CP.3 S.CP.4	<ul style="list-style-type: none"> <li>Sample Space</li> <li>Compound Probability (Based on the Intersection or</li> </ul>	Chapter 13.1 - 13.7	

			<p>S.CP.5 S.CP.6 S.CP.7 S.IC.2 S.IC.6 S.CP.8 (+) S.CP.9 (+)</p>	<p>Union of two or more sets)</p> <ul style="list-style-type: none"> <li>Independent vs. Dependent Events</li> <li>Conditional Probability</li> <li>Probability Models</li> </ul>		
7	Functions & Modeling	11	<p>N.Q.1 N.Q.2 N.Q.3 A.SSE.1a A.SSE.1b A.SSE.2 A.CED.2 A.CED.3 A.REI.10 A.REI.11 F.IF.4 F.IF.5 F.IF.7.b F.IF.7.e F.IF.9 F.BF.3</p>	<ul style="list-style-type: none"> <li>Function Families:</li> <li>Linear</li> <li>Exponential</li> <li>Quadratic</li> <li>Cubic</li> <li>Inverse Variation</li> <li>Trigonometric</li> <li>Square Root</li> <li>Absolute Value</li> <li>Piece-wise (including Step)</li> <li>Identify Key Features of the Graph</li> <li>Compare/Contrast Functions</li> </ul>	Chapter 14.1 - 14.4	<p>5.4 Chapter 6 8.4 8.5</p>
8	3D Modeling	4	<p>G.GMD.4 G.MG.1 G.MG.2 G.MG.3</p>	<ul style="list-style-type: none"> <li>Density</li> <li>Cross-Sections of 3-D Figures</li> <li>3-D Shapes Obtained From the Rotation of 2-D Objects</li> </ul>	Chapter 9	<p>10.5 10.7 10.2 11.2 11.3</p>

Total Days: 86 (Core) + 4 (Review/Exam) = 90