Illinois Model Curriculum Scope & Sequence

Grade/Course: 8th Grade Math

Unit	Focus Standards	Connecting Standards	Approximate Time Frame
1) Real Numbers	8.NS.1 (Decimal expansions and irrational numbers) 8.NS.2 (Compare values of irrational numbers)		
2) Exponents	8.EE.1 (Integer exponents) 8.EE.2 (Square root and cube roots) 8.EE.3 (Very small and very large quantities) 8.EE.4 (Scientific notation)		
3) Expressions/ Equations	8.EE.7 (Solve linear equations in one variable)		
4) Linear Systems	8.EE.8 (Pairs of simultaneous linear equations)	8.EE.7	
5) Functions	8.EE.5 (Graph and compare proportional relationships) 8.EE.6 (Use similar triangles to explain slope) 8.F.1 (Understand functions) 8.F.2 (Compare properties of functions) 8.F.3 (Linear functions) 8.F.4 (Construct & interpret linear functions) 8.F.5 (Describe functional relationships)	8.EE.7 8.SP.1 8.SP.2 8.SP.3	
6) Congruence/ Similarity **Pythagorean Theorem** **Volume**	8.G.2 (Understand congruence using transformation) 8.G.4 (Understand similarity using transformation) 8.G.5 (Angles, parallel lines cut by transversal) 8.G.1 (Verify properties of transformations) 8.G.3 (Describe effects of transformations in plane) 8.G.6 (Proof of Pythagorean Theorem) 8.G.7 (Apply Pythagorean Theorem to determine unknown side length) 8.G.8 (Apply Pythagorean Theorem to find distance between points) 8.G.9 (Volume of cones, cylinders, and spheres)	8.F.1 8.F.3 8.NS.1 8.NS.2 8.EE.2 8.EE.1 8.EE.2	
7) Patterns/ Bivariate Data	8.SP.1 (Scatter plots) 8.SP.2 (Line of best fit) 8.SP.3 (Interpret slope in data representation) 8.SP.4 (Two-way tables)		

Priority Standards Supporting Standards Additional Standards