

Illinois Model Curriculum Scope & Sequence

Grade/Course: 8<sup>th</sup> Grade Math

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

Priority Standards

Supporting Standards

Additional Standards