

Grade 7 Middle School Advanced Mathematics: Year at a Glance (150-Day Pacing)

1 Day Pacing = 45 min. Session

Bold TEKS = Readiness Standard

Process Standards are embedded in every module: 7AM.1A, 7AM.1B, 7AM.1C, 7AM.1D, 7AM.1E, 7AM.1F, 7AM.1G



Module	Topic	Pacing	TEKS
1 Transforming Geometric Objects	1: Rigid Motion Transformations	11	7AM.12.A (8.10A), 7AM.12.B (8.10B), 7AM.12.C (8.10C)
	2: Similarity	8	7AM.5.B (7.5A, 8.3A), 7AM.5.C (7.5C), 7AM.5.D (8.3B), 7AM.5.E (8.3C), 7AM.12.A (8.10A), 7AM.12.B (8.10B), 7AM.12.D (8.10D)
	3: Line and Angle Relationships	6	7AM.10.H (8.8D)
		25	
2 Developing Function Foundations	1: Proportional Relationships	9	7AM.8.A (7.4C), 7AM.4.A (7.4D), 7AM.4.B (7.13E, 8.12D), 7AM.4.C (7.13F)
	2: From Proportions to Linear Relationships	13	7AM.8.A (7.4C), 7AM.4.A (7.4D), 7AM.5.E (8.3C), 7AM.8.B (8.5F), 7AM.8.C (8.5H), 7AM.9.A (7.7A, 8.5A, 8.5B, 8.5I), 7AM.12.C (8.10C) (6AM.10.A (7.4A) from 6th ADV is built into these lessons)
		22	
3 Modeling Linear Equations	1: Solving Linear Equations & Inequalities	13	7AM.9.A (7.7A, 8.5A, 8.5B, 8.5I), 7AM.7.B (7.11A), 7AM.7.A (7.10B), 7AM.7.C (8.8A), 7AM.7.D (8.8B), 7AM.7.E (8.8C), (6AM.10.A (7.4A) and 6AM.8.A (6.9A, 7.10A) from 6th ADV are built into these lessons)
		13	
4 Applying Powers	1: Real Numbers	8	7AM.3.A (7.3A), 7AM.3.B (7.3B), 7AM.2.A (8.2A), 7AM.2.B (8.2B), 7AM.2.C (8.2C), 7AM.2.D (8.2D)
	2: The Pythagorean Theorem	7	7AM.10.G (8.6C), 7AM.11.F (8.7C), 7AM.11.G (8.7D)
	3: Circles and Composite Figures	9	7AM.5.A (7.5B), 7AM.10.A (7.8C), 7AM.11.A (7.9B), 7AM.11.B (7.9C)
	4: Surface Area and Volume	13	7AM.10.D (7.8A), 7AM.10.E (7.8B), 7AM.11.D (7.9A), 7AM.10.B (7.9D), 7AM.10.C (8.6A), 7AM.10.F (8.6B), 7AM.11.E (8.7A), 7AM.11.C (8.7B), 7AM.11.F (8.7C), 7AM.3.A (7.3A)
		37	
5 Analyzing Populations, Probabilities, and Potential	1: Introduction to Probability	9	7AM.6.B (7.6B), 7AM.6.C (7.6C), 7AM.6.D (7.6D), 7AM.6.E (7.6E), 7AM.6.F (7.6H), 7AM.6.G (7.6I)
	2: Compound Probability	9	7AM.6.A (7.6A), 7AM.6.B (7.6B), 7AM.6.C (7.6C), 7AM.6.D (7.6D), 7AM.6.G (7.6I)
	3: Drawing Inferences	7	7AM.13.A (7.6F, 7.12B), 7AM.13.B (7.12C), 7AM.13.D (8.11B), 7AM.13.C (8.11C)
	4: Financial Literacy: Your Financial Future	8	7AM.4.A (7.4D), 7AM.14.A (7.13B), 7AM.14.B (7.13D), 7AM.4.D (8.12A), 7AM.4.E (8.12B), 7AM.4.F (8.12C), 7AM.4.B (7.13E, 8.12D), 7AM.14.C (8.12F), 7AM.4.G (8.12G)
		33	
Total Days:		130	

7th Grade STAAR
8th Grade STAAR

Learning Individually Days
Grade 8 Advanced Mathematics, Algebra 1 TEKS

20
23

Add one or two days per topic
8.4A, 8.4B, 8.4C, 8.5C, 8.5D, 8.5E, 8.5G, 8.9A, 8.11A