

Course 3

Course 3		MATHia Units	Priority Standards	Goal Dates and Common Formative Assessment
MODULE 1 Transforming Geometric Objects (26 days)	TOPIC 1 Rigid Motion Transformations (12 learn together days) (1 MATHia/learn individually day)	Rigid Motions on the Coordinate Plane (5 workspaces)		Quarter 1
	TOPIC 2 Dilations (6 learn together days) (1 MATHia/learn individually day)	Dilating Figures on the Coordinate Plane (2 workspaces) Mapping Similar Figures Using Transformations (3 workspaces)		
	TOPIC 3 Line and Angle Relationships (4 learn together days) (2 MATHia/learn individually days)	Triangle Sum and Exterior Angle Theorems (2 workspaces) Angle Relationships Formed by Lines Intersected by a Transversal (3 workspaces) The Angle-Angle Similarity Theorem (2 workspaces)		
MODULE 2 Modeling Linear Relationships (46 days)	TOPIC 1 From Proportions to Linear Relationships (9 learn together days) (3 MATHia/learn individually days)	Representing Proportional Relationships (3 workspaces) Using Similar Triangles to Describe the Steepness of a Line (2 workspaces) Exploring Non-Proportional Linear Relationships (2 workspaces)	8.EE.5 8.EE.6	Quarter 2
	TOPIC 2 Linear Relationships (11 learn together days) (8 MATHia/learn individually days)	Using Tables, Graphs, and Equations (1 workspace) Linear Relationships in Tables (1 workspace) Linear Relationships in Context (1 workspace) Analyzing Linear Relationships (1 workspace) Writing and Graphing Linear Equations (5 workspaces) Using Linear Equations (5 workspaces)		
	TOPIC 3 Systems of Linear Equations (12 learn together days) (3 MATHia/learn individually days)	Point of Intersection of Linear Graphs (1 workspace) Solving Linear Equations with Variables on Both Sides (3 workspace) Systems of Linear Equations (2 workspace) Interpreting the Number of Solutions to Equations (2 workspace) Solving Multi-Step Equations (4 workspaces) Analyzing the Structure of Systems (1 workspaces)	8.F.1 8.F.2 8.F.3	

Semester 2				
MODULE 3 Developing a Function Foundation (23 days)	TOPIC 1 Introduction to Functions (13 learn together days) (3 MATHia/learn individually days)	Defining Functional Relationships (2 workspaces) Describing Graphs and Functions (2 workspaces) Comparing Functions Using Different Representations (1 workspaces)	8.EE.7	Quarter 3 System of Linear Equations-Post Test
	TOPIC 2 Patterns in Bivariate Data (8 learn together days) (1 MATHia/learn individually days)	Drawing Lines of Best Fit (2 workspace) Patterns of Association of Two- Way Tables (4 workspaces)		
MODULE 4 Expanding Number Systems (16 days)	TOPIC 1 The Real Number System (4 learn together days) (2 MATHia/learn individually days)	The Real Number System (4 workspaces)		Quarter4
	TOPIC 2 Pythagorean Theorem (7 learn together days) (2 MATHia/learn individually days)	The Pythagorean Theorem (3 workspaces) Distances in a Coordinate System (1 workspace)	8.G.7 8.G.8	
MODULE 5 Applying Powers (23 days)	TOPIC 1 The Statistical Process (8 learn together days) (5 MATHia/learn individually days)	Properties of Powers with Integer Exponents (6 workspaces) Scientific Notation (2 workspaces)	8.EE.1	
	TOPIC 2 Volume of Curved Figures (8 learn together days) (2 MATHia/learn individually days)	Volume of a Cylinder (3 workspaces) Volume of a Cone (2 workspaces) Volume of a Sphere (2 workspaces)		