

## 8<sup>th</sup> Grade Course Outline and Pacing Guide

Date	Week	Title	Description	Workbook / Assignment
	1	Session #1: Shapes & Constructions	<a href="#">Basic Shapes</a>	<a href="#">Workbook #1</a> : p. 1-15
			<a href="#">First Build Challenge</a>	<a href="#">Eggstronauts</a>
	2		<a href="#">Constructing Shapes</a>	Workbook #1: p. 16-33 <a href="#">Geometric Designs</a>
	3		<a href="#">Geometric Transformations</a>	<a href="#">Packet #1</a> Parts 1-2,4-6
	4		<a href="#">Geometric Transformations</a>	<a href="#">Packet #1</a> Parts 3, 7 <a href="#">Foldable Art Project</a> <a href="#">Escape Room</a>
	5		<a href="#">Bisecting &amp; Const. Shapes</a>	<a href="#">Workbook #2</a> : p. 1-21
	6	Session #2: Angles	<a href="#">Types of Angles</a>	Workbook #2: p. 25-26 <a href="#">Angles Packet</a> <a href="#">Solve &amp; Color</a>
			<a href="#">Second Build Challenge</a>	<a href="#">Flashlight Laser Maze</a>
	7		<a href="#">Types of Angles</a>	<a href="#">Mazes</a> <a href="#">Card Sort</a> <a href="#">Angles Mini-Quiz</a>
	8	Session #3: Triangles	<a href="#">Properties of Triangles</a>	Workbook #2: p. 27-33 <a href="#">Angle Relationships Packet</a> <a href="#">Side Length Packet</a> <a href="#">Construct Triangles Packet</a>
			<a href="#">Third Build Challenge</a>	<a href="#">Truss Bridges</a>
	9		<a href="#">Angle &amp; Triangle Review</a>	<a href="#">Review Booklet</a> <a href="#">Triangles Mini-Quiz</a> <a href="#">Error Analysis</a> <a href="#">Task Cards</a> <a href="#">Study Guide &amp; Test</a> <a href="#">Kaleidocycle</a> <a href="#">Hexaflexagon Template</a>
	10	Session #4: Circles	<a href="#">Radius, Diameter, Circumference &amp; Area</a>	<a href="#">Workbook #3</a> : p. 1-4 <a href="#">Packet #3: Circles</a> Workbook #2: p. 22-24 Workbook #2: p. 34-36
			<a href="#">Fourth Build Challenge</a>	<a href="#">Forestry Lab</a>
	11		<a href="#">Properties of Circles</a>	<a href="#">Introductory Activity</a> <a href="#">Pi Day Party Packet</a> <a href="#">Circumference Circle Mazes</a> <a href="#">Area Circle Mazes</a> <a href="#">Circle Escape Room</a> <a href="#">Möbius Activity</a>
<a href="#">Geometry Sessions #1-4 Review</a>				

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	12	Session #5: Plane Geometry (2D Shapes & Figures)	<a href="#">Rectangles &amp; Parallelograms</a>	#3: p. 5-11 <a href="#">Geometry Packet #3</a> Part 3 <a href="#">Corridor Math Game</a>
			<a href="#">Fifth Build Challenge*</a>	<a href="#">Spacecraft Lab</a>
	13		<a href="#">Triangles &amp; Trapezoids</a>	#3: p. 12-17 Geometry Packet #3 Part 4 <a href="#">Solve &amp; Color Activity</a> <a href="#">Spin to Ten Activity</a>
	14		<a href="#">Composite Figures</a>	#3: p. 18-22 Packet #3 Parts 5 & 6 Geo Packet #3 Review Quiz <a href="#">Solve &amp; Color Activity</a> <a href="#">Composite Area Problems</a>
	15	Session #6: Similarity	<a href="#">Similar Figures &amp; Scale Factor</a>	#3: p. 23-27 #3: p. 28-30 (Test) <a href="#">Geo Packet #3</a> Parts 7 & 8
	16		<a href="#">Plane Geometry Full Review</a>	<a href="#">8 Station Review</a> <a href="#">Fix &amp; Flip Challenge</a> <a href="#">Plane Geometry Study Guide</a> <a href="#">Scavenger Hunt</a> <a href="#">Plane Geometry Test</a>
	17	Geometry: <a href="#">Advanced Labs</a>	<a href="#">Advanced Lab Session #1</a>	<a href="#">Technical Drawings</a>
			<a href="#">Advanced Lab Session #2</a>	<a href="#">Physics of Light</a>
	18		<a href="#">Advanced Lab Session #3</a>	<a href="#">Physics of Forces &amp; Motion</a>
	19		<a href="#">Advanced Lab Session #4</a>	<a href="#">Astronomy</a>

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Date	Week	Title	Description	Workbook / Assignment
	20	Mini Math Course: <a href="#">Statistics</a>	<a href="#">Mean, Median, Measures of Center</a>	<a href="#">Statistics Packet: Part 1-2</a> <a href="#">Our Class/Group Samples</a> <a href="#">Population/Samples Card Sort</a> <a href="#">Drawing Inferences</a>
	21		<a href="#">Range, IQR and M.A.D. (Measures of Variability)</a>	<a href="#">Statistics Packet: Part 3-4</a> <a href="#">Measures of Center</a> <a href="#">Measures of Variability</a> <a href="#">Review: Quiz</a>
	22		<a href="#">Dot Plots and Histograms</a>	<a href="#">Statistics Packet: Part 5</a> <a href="#">Interpreting Dot Plots</a> <a href="#">Statistics Packet: Histograms</a> <a href="#">Histogram Scavenger Hunt</a>
	23		<a href="#">Box plots and Statistics Applications</a>	<a href="#">Statistics Packet: Part 6</a> <a href="#">Comparing Box Plots</a> <a href="#">Study Guide</a> <a href="#">Unit Test</a>
	24		<a href="#">Advanced Lab for Statistics</a>	<a href="#">Statistical Data Sets</a> <a href="#">Space Data Sets</a>
	25	Geometry Review	<a href="#">Review of Geometry</a>	
	26	Algebra Review	<a href="#">Algebra Sessions #1-4 Review</a>	
	27	Algebra Review	<a href="#">Algebra Sessions #5-7 Review</a>	