

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

Date	Week	Title	Description	Workbook / Assignment
	0	Math Reivew	<a href="#">Sessions #1-4</a>	<a href="#">Download Packet</a> for 4 sessions
	1	<a href="#">Session #1:</a> Pre-Algebra	<a href="#">Prime Factorization</a>	#1: 1-6 <a href="#">Math Lib</a>
			<a href="#">First Build Challenge</a>	<a href="#">Word Search</a> <a href="#">Number Challenge</a>
	2	Operations on Integers	<a href="#">Number Line, Positive &amp; Negative Numbers</a>	#1: 7-23
	3		<a href="#">Operations on Integers</a>	#1: 24-37 <a href="#">Integer Operations Activity</a>
	4	Variables, Terms & Expressions	<a href="#">Exponents</a>	#2: 1-11
			<a href="#">Second Build Challenge</a>	<a href="#">Exploring Exponents</a>
	5		<a href="#">Equivalent Expressions</a>	#2: 12-17 <a href="#">Pyramid Puzzle</a> <a href="#">Distributive Prop. Puzzle</a>
	6		<a href="#">Like &amp; Unlike Terms</a>	#2: 18-25 <a href="#">Mazes</a> <a href="#">Packet #1 (Part 1)</a>
	7		<a href="#">Order of Operations</a>	#2: 26-36 <a href="#">Packet #1 (Part 2)</a> <a href="#">Evaluating Expressions</a>
	8	<a href="#">Session #2:</a> Algebra  Multi-Step Equations	<a href="#">Solving One-Step Equations</a>	#3: 1-8 <a href="#">Coloring Activity</a>
			<a href="#">Third Build Challenge</a>	<a href="#">Distributive Property Hunt</a> <a href="#">Word Translation</a>
	9		<a href="#">Solving Two-Step Equations</a>	#3: 9-16 <a href="#">Coloring Activity</a> <a href="#">Maze</a>
	10		<a href="#">Word Problems</a>	#3: 17-23 <a href="#">Simplifying Expressions</a> <a href="#">Scavenger Hunt</a> <a href="#">He Said She Said</a>
	11		<a href="#">Review</a>	#3: 24-37 <a href="#">Task Cards</a> <a href="#">Puzzle Train</a> <a href="#">Speed Dating (optional)</a> <a href="#">Special Cases</a>

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	12	<u>Session #3:</u> Rational Numbers & Inequalities	<a href="#">Rational Numbers, Number Lines</a> <a href="#">Fourth Build Challenge</a>	#4: p. 1-13 <a href="#">Unit Conversion</a>
	13		<a href="#">Inequalities &amp; Absolute Value</a>	#4: p. 14-20 <a href="#">One Step Inequalities Puzzle</a> <a href="#">Matching Trios</a>
	14		<a href="#">Solving One &amp; Two Step Inequality Operations</a>	#4: p. 21-26 <a href="#">One Step Inequalities Cutouts</a> <a href="#">Two Step Inequalities Cutout</a> <a href="#">Inequalities Task Cards</a> <a href="#">Inequalities Scavenger Hunt</a>
	15		<a href="#">Relations &amp; Functions, Equations &amp; Inequalities Review</a>	#4: p. 27-37 <a href="#">Coloring Activity</a> <a href="#">Inequalities Review</a> <a href="#">Equations &amp; Inequalities</a>
	16	<u>Session #4:</u> Graphing Equations	<a href="#">Cartesian Plane Graphing</a> <a href="#">Fifth Build Challenge</a>	#5: p. 1-19
	17		<a href="#">Slope of a Line</a>	#5: 20-36
	18		<a href="#">Proportional Relationships</a>	<a href="#">Linear Relations Packet #1</a> Pages 1-15 <a href="#">Activity: Function Matchup</a> <a href="#">Game: Spinners</a>
	19		<a href="#">Non-Proportional Relationships</a>	Linear Relations Packet #1 Pages 17-25 <a href="#">Activity: Graphing Trios</a> <a href="#">Activity: Choose Your Graphing Adventure</a> <a href="#">Foldable Reference Sheet</a> <a href="#">Variables Scavenger Hunt</a>
	20		<a href="#">Graphing Equations Review</a>	Linear Relations Packet #1 Pages 27-33 <a href="#">28 Station Review</a> <a href="#">10 Station Review</a> <a href="#">Chemistry Unit Conversion</a> <a href="#">Chemistry Lab Review</a>

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Date	Week	Title	Description	Workbook / Assignment
	21	<a href="#">Advanced Labs</a>	<a href="#">Advanced Lab Session #1</a>	<a href="#">Physics Algebra</a>
	22		<a href="#">Advanced Lab Session #2</a>	<a href="#">Astronomy</a>
	23		<a href="#">Advanced Lab Session #3</a>	<a href="#">Physics of Motion</a>
	24	Mini Math Course: <a href="#">Probability</a>	<a href="#">Simple Probability &amp; Sample Space</a>	<a href="#">Probability Packet: Part 1-2</a> <a href="#">Task Cards</a> <a href="#">Go First Dice</a> Sicherman Dice (no handout)
	25		<a href="#">Experimental &amp; Theoretical Probability</a>	<a href="#">Probability Packet: Part 3-4</a> <a href="#">Probability Stations</a> <a href="#">Puzzle Train</a> <a href="#">Probability Mazes</a> <a href="#">Probability Quiz</a>
	26		<a href="#">Independent &amp; Dependent</a>	<a href="#">Probability Packet: Part 5-6</a> <a href="#">Error Analysis</a> <a href="#">Solve Cut &amp; Paste</a> <a href="#">Non-transitive Dice</a>
	27		<a href="#">Review of Probability</a>	<a href="#">Review: 28 Stations</a> <a href="#">Study Guide</a> <a href="#">Study Guide</a> <a href="#">Advanced Labs: Astronomy</a>
	28	<a href="#">Full Review for 7<sup>th</sup> Grade</a>		