MATHEMATICS | Pre-algebra

Weeks PH	PH Chap	ORGANIZING THEME/TOPIC	FOCUS STANDARDS & SKILLS
4	1.1, 1.2, 1.3, 2.1, 2.2, supp.	Order of operations with whole numbers	Order of Operations, using standard algorithms to compute with all operations, 5.NBT.5, 5.NBT.6
4 - 5	1.4, 1.5, 1.5, 1.6, 1.7, 1.9, 1.10, supp.	Integers	Find & position integers on a # line & coordinate plane, Integer division, solve problems with positive & negative rational numbers NS.6C, 7.NS.2B, 7.NS.1abcd, 7.NS2.abc, 7.EE.3
2	4.1, 4,2, 4.3 supp	Factors & divisibility	Compute fluently & find factors and multiples 6.NS.4
1.5 - 2	1.3, 2.2, 2.3 supp	Algebraic expressions	Evaluate expressions at specific variable values, perform arithmetic with whole number exponents and order of operations, Write expressions, Identify parts of an algebraic expression, 6.EE.2a, 6.EE.2b, 6.EE.2c
2	2.4, 2.5, 2.6, 2.7, 3.3, 3.4, 3.5, supp	Solving equations	Use variables to construct simple equations to solve problems by reasoning about the quantities, explain steps in solving a simple equation, solve linear equations in one variable 7.EE.4, 7.EE4a, AREI.1, AREI.3
8	3.1, 3.2, 3.4, 3.5, 4.4, 4.6, 5.1, 5.2, 5.4, 5.7, 5.8 supp	Rational numbers	All operations with rational numbers including decimals and fractions, Solve problems with positive and negative rational numbers 7.NS.1abcd, 7.NS2.abc, 7.EE.3
2	11.1, 11.2, supp	Radicals	Apply the Pythagorean Theorem to determine unknown side lengths in right triangles. 8.G.7
4	1.10, 8.1, 8.2, 8.3, 8.4, supp	Linear graphing	Interpret the equation y = mx + b, Use similar triangles to explain slope, 8.F.3, 8.EE.6
2.5	8.6 supp	Solving systems of equations	Solving by Graphing, Tables, Substitution, and Elimination; A-REI.5,6, 7
1+	2.8, 2.9 2.10, 8.7 supp	Inequalities	Write an inequality in the form x >c or x<c and realize that involves infinitely many solutions. 6.EE.8