

Date	Topics
13 Sept. 9 – Sept. 25	Ch. 1 Building Blocks – <i>Variables, expressions, properties, structure.</i>
2a (11) 2b (8 / +1 Project) Sept. 26 – Oct. 24	Ch. 2 Linear Expressions, Equations, Inequalities <i>Multistep equations, solving for a variable (literal equations), interval notation, compound inequalities.</i> <i>Project: Gender Inequalities Lab</i>
11 (+1 Project) Oct. 28 – Nov. 13	Ch. 3 Functions – <i>Notation, max/min, domain/range, y-intercept, zeroes, piecewise, step.</i> <i>Project: Global Temp Lab</i>
19 (+1 Project) Nov. 14 – Dec. 16	Ch. 4 Linear Functions <i>Slope, calculator, slope/intercept form, solving equations, solve for y, arithmetic sequence, absolute value, step functions.</i> <i>Project: Latitude vs. Temperature Lab (1 day)</i>
11 Dec. 17 – Jan. 14	Ch. 5 Systems of Linear Equations and Inequalities – <i>Graphing, substitution*, elimination*, inequalities in two variables modeling.</i> <i>*Practice</i> <i>Project: India-China → End of year if no time</i>
4 (overlap 14th) Jan. 14 – Jan. 17	Midterm Review
14 (+1 Project) Jan. 27 – Feb. 14	Ch. 6 Exponents – <i>Exponent properties, negative exponents, rational exponents % increasing/decreasing, geometric sequences</i> <i>Project: World Population, Golf ball Lab</i>
12 Feb. 24 – Mar. 10	Ch. 7 Polynomials – <i>Factoring, GCF, lead coefficients = 1, differences of squares, <u>add trinomial squares</u>, also see June '14 # 31</i>
11 Mar. 11 – Mar. 26	Ch. 8 Quadratic Functions – <i>Parabolas, vertex, y-intercept, roots, orientation, complete the square, calculator use</i>
10 Mar. 27 – Apr. 16	Ch. 9 Roots and Irrational Numbers -- <i>Irrational numbers, finding zeros, completing the square, quadratic formula, cube roots</i>
11 (Projects) Apr. 17 – May 1	Ch. 10 Statistics – <i>Univariate/bivariate, central tendency, range, histograms, box and whisker, scatterplots, linear regression, correlation/causation, residuals</i> <i>Project: Global Food Cost</i>
10 May 4 – May 15	Ch. 11 Modeling w/ Functions – <i>Transformations, Step functions, piecewise, linear programming questions, applications</i>
19 May 18 – June 12	Review / Projects