

NPES 8th GRADE SCOPE AND SEQUENCE 2018-2019 SCHOOL YEAR

Subjects	Science Pete Tortorici	Math Rhodi Hotaling	Social Studies Mary Wells	Language Arts (Writing) Melissa Payne	Language Arts (Reading) Melissa Payne
Materials Used	KnowAtom	<i>Algebra 1 Prentice Hall 2009 edition</i>	<i>United State History, Holt, Reinhardt, and Winston</i>	<i>Units of Study in Argument, Information, and Narrative Writing: A Common Core Workshop Curriculum - Lucy Calkins</i>	<i>Units of Study for Teaching Reading: A Workshop Curriculum, Middle School Grades - Lucy Calkins</i>
August/September	Matter & Movement	Unit 1 Variables and rational number. variables, order of operations, real number, adding/subtracting/multiplication/division of rational numbers. compound probability, square roots	Unit 1: Reconstruction	Literary Essay - Argument Writing Unit of Study	Dystopian Book Club Unit
October	Earth & the Solar System	Unit 2 Graphs and functions. graphs to events, patterns, relations and functions, rules/tables/graph, functions rules, direct variations, inverse variations, arithmetic sequences	Unit 2: Immigration Unit 3: Imperialism		
November	Earth's Changing Climate	Unit 3 Linear equations and their graphs. distributive property, properties of numbers, ratios and proportions, similar figures, rate of change, slope, slope-intercept form, standard form, point-slope form, scatter plots and line of best fit	Unit 4: World War II	Graphic Novel - Creative Writing Unit	Graphic Novel Book Club Unit
December	From Molecules to Organisms Inheriting Traits	Calder Mobiles. Unit 4 Systems of equations. parallel and perpendicular lines, solve by graphing, solve by substitution, solve multi-step algebra problems, solve by elimination	Unit 5: 1920s		

January Q2	From Molecules to Organisms Inheriting Traits	Fractal Project	Unit 6: Great Depression and New Deal	Position Papers - Research-Based Information and Argument Writing Unit of Study (Fictional Violence in Games and Child Soldier Arguments)	Historical Fiction Book Club Unit
January Q3/ February	Human Genetics Changing Environments	Unit 5 Inequalities. inequalities and their graphs, solving multistep inequality equations, compound inequalities, solving absolute value equations, linear inequalities, systems of linear inequalities	Unit 7: World War II	Position Papers - Research-Based Information and Argument Writing Unit of Study (Fictional Violence in Games and Child Soldier Arguments)	Historical Fiction Book Club Unit
March		Grow mold Unit 6 Exponents and exponential functions. zero and negative exponents, scientific notation, multiplication and division of exponents, geometric sequences, exponential growth and decay		Investigative Journalism - Narrative Writing Unit of Study	Lord of the Flies - Novel Study Unit
April	Transforming Energy	Unit 7 Polynomials and factoring. adding/subtracting/multiplying polynomials, special cases, factoring polynomials,	Unit 8: Civil Rights Movement	Speech Writing Unit - Demonstration, Persuasive, and Graduation	Reading Partners Novel Study Unit
May/June	Waves & Information Transfer	Trebuchet Project Unit 8 Quadratic functions. quadratic graphs, quadratic functions, solving quadratic equations, factoring to solve, completing the square, the quadratic formula, the discriminant	Unit 9: Modern United States and World Affairs		