

NPES 7th 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	<i>KnowAtom</i>	<i>Prentice Hall Pre-Algebra 2009 edition</i>	<i>United States 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	Discovering Matter	Unit 1 Algebraic Expressions and Integers. variables and expressions, order of operations, evaluating, absolute value, adding/subtracting/multiplying/dividing integers, probability	Unit 1: American Colonies	Companion Book - Information Writing Unit of Study	Science Fiction Book Club Unit
October	Energy & Earth Materials	Unit 2 and Unit 7 Solving equations and inequalities. properties of numbers, distributive property, simplifying expressions, solving one step equations and inequalities, graphing inequalities, solving multiple step equations and inequalities	Unit 2: Causes of the American Revolution		
November	Glaciers & Earth's Past	Unit 3 Decimals and equations. rounding and estimating, mean/median/mode, solving one step and multi-step equations with decimals, metric system	Unit 3: American Revolution	Creative Writing Multi-Text Unit (Using The Mysteries of Harris Burdick)	To Kill a Mockingbird - Novel Study Unit
December	Cell Functions Cell Division	Unit 4 Factors, Fractions, and Exponents. divisibility and factors, exponents, prime factorization, GCF, simplifying fractions, exponent multiplication and division, scientific notation	Unit 4: Constitution		

January (Q2)	Cell Functions Cell Division	Fibonacci Project for math mania night	Unit 4: Constitution	Research-Based Essays (Competitive Sports and Related Subtopic) and Speech - Argument Writing Unit of Study	Tapping the Power of Nonfiction Unit of Study
January Q3/ February	Rocky Shores	Unit 5 Operations with fractions. comparing fractions, fractions to decimals, adding/subtracting/multiplying/dividing fractions, US customary measurement, solving one step and multi-step equations with fractions	Unit 5: Early Presidential Administration		
March	Environmental Science	Unit 6 Ratios, Proportions, and Percents. ratios, unit rates, proportions, similar figures and scale drawings, dependent probability, Pythagorean theorem, trig functions, permutations and combinations, fraction/decimal/percent equivalence, proportions and percents, percent change, markup and discount	Unit 6: Westward Expansion	Realistic Fiction - Narrative Writing Unit of Study	Realistic Fiction Free Choice Novel Study and Book Talk Speech
April	Mechanical Engineering	Unit 9 and unit 10 . water bottle project, area of all shapes, volume of all shapes, surface area of all shapes, nets of all shapes	Unit 7: Divided Nation	Persuasive Essay (Environmental Issue) - Argument Writing Unit of Study	A Midsummer Night's Dream Unit
May/June	Communication Technology	Unit 8 Linear Functions and graphing, relations and functions, equations with two variables, slope and y intercept, writing rules, scatter plots and line of best fit	Unit 8: Civil War		