

# NPES 5th GRADE SCOPE AND SEQUENCE 2018-2019 SCHOOL YEAR

	Science	Math	Social Studies	Language Arts	Shining Moment	Service Learning	Technology
<b>Materials</b>	STEMscopes	Everyday Math, McGraw-Hill Education, 4th Edition (pacing is approximate)	Teach TCI. Teacher created materials.	Reading Workshop Units of Study. Writing Workshop Units of Study. Fountas and Pinnel Continuum and Supplemental Materials. Vocabulary From Classical Roots. Grammar Minutes.			Demonstrate proficiency with G Suite, Schoology, Notability and iStudiez Pro (time management)
<b>August/ September</b>	Matter is Everywhere	Unit 1: Area and Volume (complete, ≈16 days)	Geography of the United States: "What can geography teach us about the United States?"	Reading Workshop Unit 1: Interpretation Book Clubs. Writing Workshop Unit 1: Narrative Craft. Word Study: Unit 1: "Going in Circles" Roots: circ and cycl. Prefixes: uni, bi, and tri. Unit 2: "Balancing Evenly" Roots: equ and pend. Prefix: quadr.		Introduction to composting and carbon footprint	Expand use of iPad apps such as Green Screen, Explain Everything, Inspiration, Padlet, Quizlet
<b>October</b>	Matter Changing States	Unit 2: Whole Number Place Value and Operations (complete, ≈16)	Native American Identity and Adaptation: "How did Native Americans adapt to different environments in America?"	Reading Workshop Unit 1: Interpretation Book Clubs. Writing Workshop Unit 1: Narrative Craft. Word Study: Unit 3: "Moving Across and Between" Roots: trans, inter, and sect. Unit 4: Review of Units 1-3.		Speaker from WasteNot - Liam	Proficiency in 10 key typing. Select, evaluate, and cite both print and electronic resources for gathering information on research projects.
<b>November</b>	Properties of Matter	Unit 3: Fraction Concepts, Addition, and Subtraction (complete, ≈16 days)	Exploration of the New World: "How did exploration of the Americas lead to settlement?"	Reading Workshop Unit 2: Tackling Complex Nonfiction. Writing Workshop Unit 2: Research Reports. Word Study: Unit 5: "Looking at our Planet" Roots: terr, aqua, and marin. Unit 6: "Exploring Distant Places" Roots: astr, tele, and scope.		Run the compost system at NPES	Proficient use of ipad storage and file management.

<p><b>December</b></p>	<p>Mixtures</p>	<p>Unit 3 cont: Fraction Concepts, Addition, and Subtraction (complete, ≈16 days) Unit 4: Decimal Concepts; Coordinate Grids (complete, ≈16)</p>	<p>Comparing the Colonies: "How were the different colonial regions similar and different?"</p>	<p>Reading workshop Unit 2: Tackling Complex Nonfiction. Writing Workshop Unit 2: Research Reports. Word Study: Unit 7: "Changing Meaning with Prefixes" Roots: semi and in. Other spellings of in-, ig-, il-, im-, and ir-. Other negative prefixes: dis-, non-, un-. Unit 8: Review of Units 5-7</p>			<p>Understand online ethics (cyber bullying) and plagiarism.</p>
<p><b>January Q2</b></p>	<p>Matter &amp; Energy in Plants/MERGE Food Webs/Basic Needs/Ecosystems</p>	<p>Unit 4 cont: Decimal Concepts; Coordinate Grids (complete, ≈16 days) Unit 5: Operations with Fractions (complete, ≈16 days)</p>	<p>Tensions Between the Colonies and Great Britain: "What British actions angered the colonists in the 1700s?" "What were the arguments for and against colonial independence from Great Britain?"</p>	<p>Reading Workshop Unit 3: Argument and Advocacy, Researching Debatable Issues. Writing Workshop Unit 3: Literary Essay. Word Study: Unit 9 "Creating Order" Roots: civi and ord. The noun suffix -ify. Unit 10: "Measuring in Math and Science" Roots: therm and metr/meter. The prefixes kilo- and milli-.</p>		<p>Run the compost system at NPES</p>	
<p><b>January Q3/ February</b></p>	<p>MERGE Food Webs/Basic Needs/Ecosystems continues / Gravity</p>	<p>Unit 5 cont: Operations with Fractions (complete, ≈16 days) Unit 6: Investigations in Measurement; Decimal Multiplication and Division (complete, ≈16 days)</p>	<p>The Declaration of Independence: "What are the main ideas of the declaration of independence?"</p>	<p>Reading Workshop Unit 3: Argument and Advocacy, Researching Debatable Issues. Writing Workshop Unit 3: Literary Essay. Word Study: Unit 11: "Pulling Together" Roots: struct and tract. The prefix ex-. Unit 12: Review of Units 9-11.</p>	<p>STEM Student Driven Project- Introduced early February / Developed throughout February</p>		

<b>March</b>	Observing the Stars / Earth's Rotation	Unit 6 cont: Investigations in Measurement; Decimal Multiplication and Division (complete, ≈16 days) Unit 7: Multiplication of Mixed Numbers; Geometry; Graphs; (complete, ≈16)	The American Revolution: "How did the colonists win the American Revolution?"	Reading Workshop Unit 4: Fantasy Book Clubs. Writing Workshop Unit 4: The Research Based Argument Essay. Word Study: Unit 13: "Cracking Apart" Roots: rupt and frac/frag. The noun suffix -ment. Unit 14: "Placing the Foundation" Roots: bas and pos. The noun suffix -ure. Unit 15: "Connecting with Prefixes" Roots: re- and com-/con-. The prefix col-, co-, cor-.	STEM Student Driven Project- Project synthesized in class under teacher guidance.	Run the compost system at NPES	
<b>April</b>	Objects in the Sky / Earth's Systems	Unit 7 cont: Multiplication of Mixed Numbers; Geometry; Graphs; (complete, ≈16) Unit 8: Applications of Measurement, Computation, and Graphing (complete, ≈16)	The Constitution: "What are the key features of the U.S. Constitution?" The Bill of Rights: "What are the basic rights and freedoms of the American people?"	Reading Workshop Unit 4: Fantasy Book Clubs. Writing Workshop Unit 4: The Research Based Argument Essay. Word Study: Unit 16: Review of Units 13-15.	STEM Student Driven Project Shining Moment Night (Early/Mid April)	Educate the community through STEM night	
<b>May/June</b>	Water Sources / MERGE Human Footprint & Reducing Human Footprint	Unit 8 cont: Applications of Measurement, Computation, and Graphing (complete, ≈16)(complete, ≈16)	Citizenship: "What unites us as Americans and what does it mean to be American?" "Civic participation in our democracy"	Reading Workshop Unit 4: Fantasy Book Clubs. Writing Workshop Unit 4: The Research Based Argument Essay. Word Study: Review Unit.			