

GRADE 5 Advanced Math – Unit 3

Mission Statement
<p>The primary goal of the Swedesboro-Woolwich School District is to prepare each student with the real life skills needed to compete in a highly competitive global economy. This will be achieved by providing a comprehensive curriculum, the integration of technology, and the professional services of a competent and dedicated faculty, administration, and support staff.</p> <p>Guiding this mission will be Federal mandates, including No Child Left Behind, the New Jersey Core Curriculum Content Standards, and local initiatives addressing the individual needs of our students as determined by the Board of Education. The diverse resources of the school district, which includes a caring PTO and active adult community, contribute to a quality school system. They serve an integral role in supporting positive learning experiences that motivate, challenge and inspire children to learn.</p>

Unit/Module Overview
<p>Students will graph points on the coordinate plane to solve real-world and mathematical problems. Students will analyze patterns and relationships through ratio tables, and these patterns will be displayed in a line graph. Conversions of like measurement units within a given system will also be explored. Students will classify polygons into categories based on their properties. Classification of three-dimensional figures and volume of rectangular prisms will also be explored. Getting Ready lessons will cover concepts of sixth grade. This unit will be covered in 12 weeks.</p>

Standards Covered in Current Unit/Module		
CCS Priority Standard	Learning Goals	Learning Targets

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<ul style="list-style-type: none"> ● MATH.5.NBT.A.1 [Standard] - Recognize that in a multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right and 1/10 of what it represents in the place to its left. 	<ul style="list-style-type: none"> ● SWBAT recognize that in a multi-digit number, a digit in the one place represents 10 times as much as it represents in the place to its right and 1/10 of what it represents in the place to its left. 	<ul style="list-style-type: none"> ● I can explain that a digit in the one place is 10 times as much as the place to its right. ● I can explain that a digit in the one place is 1/10 as much as the place to its left.
<ul style="list-style-type: none"> ● MA.5.NBT.A.2 Explain patterns in the number of zeros of the product when multiplying a number by powers of 10, and explain patterns in the placement of the decimal point when a decimal is multiplied or divided by a power of 10. Use whole number exponents to denote powers of 10. 	<ul style="list-style-type: none"> ● SWBAT explain patterns in the number of zeros of the product when multiplying a number by powers of 10, explain patterns in the placement of the decimal point when a decimal is multiplied or divided by a power of 10, and use whole number exponents to denote powers of 10. 	<ul style="list-style-type: none"> ● I can explain patterns when multiplying a number by 10. ● I can explain patterns in the placement of a decimal point when multiplying or dividing by a power of 10. ● I can use exponents to represent powers of 10.
<ul style="list-style-type: none"> ● MA.5.NBT.A.3 Read, write, and compare decimals to the thousandths. 	<ul style="list-style-type: none"> ● SWBAT read, write, and compare decimals to the thousandths. 	<ul style="list-style-type: none"> ● I can read decimals to the thousandths. ● I can write decimals to the thousandths. ● I can compare decimals to the thousandths.
<ul style="list-style-type: none"> ● MA.5.NBT.A.3a Read and write decimals to thousandths using base-ten numerals, number names, and expanded form, eg., $347.392 = 3 \times 100 + 4 \times 10 + 7 \times 1 + 3 \times (1/10) + 9 \times (1/100) + 2 \times (1/1000)$. 	<ul style="list-style-type: none"> ● SWBAT read and write decimals to thousandths using base-ten numerals, number names, and expanded form. 	<ul style="list-style-type: none"> ● I can read and write decimals to the thousandths using base-ten numerals. ● I can read and write decimals to the thousandths using number names. ● I can read and write decimals to the thousandths using expanded form.

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<ul style="list-style-type: none"> ● <u>MA.5..NBT.A3b</u> Compare two decimals to thousandths based on meanings of the digits in each place using $>$, $=$, and $<$ symbols to record the results of comparisons. 	<ul style="list-style-type: none"> ● SWBAT compare two decimals to thousandths based on meaning of the digits in each place using $>$, $=$, and $<$ symbols to record the results of comparisons. 	<ul style="list-style-type: none"> ● I can compare decimals to the thousandths place using comparison symbols.
<ul style="list-style-type: none"> ● <u>MA.5..NBT.A4</u> Use place value understanding to round decimals to any place. 	<ul style="list-style-type: none"> ● SWBAT use place value understanding to round decimals to any place. 	<ul style="list-style-type: none"> ● I can round decimals to any place.
<ul style="list-style-type: none"> ● <u>MA.5..NBT.B</u> Perform operations with multi-digit whole numbers and with decimals to hundredths. 	<ul style="list-style-type: none"> ● SWBAT perform operations with multi-digit whole numbers and with decimals to hundredths. 	<ul style="list-style-type: none"> ● I can add and subtract whole numbers. ● I can multiply and divide whole numbers. ● I can add and subtract decimals. ● I can multiply decimals. ● I can divide decimals.
<ul style="list-style-type: none"> ● <u>MA.5..NBT.B.5</u> Fluently multiply multi-digit whole numbers using the standard algorithm. 	<ul style="list-style-type: none"> ● SWBAT fluently multiply multi-digit whole numbers using the standard algorithm. 	<ul style="list-style-type: none"> ● I can multiply whole numbers using the standard algorithm.
<ul style="list-style-type: none"> ● <u>MA.5.NBT.B.6</u> Find whole-number quotients of whole numbers with up to four-digit dividends and two-digit divisors using strategies based on place value and properties of operations. 	<ul style="list-style-type: none"> ● SWBAT find whole-number quotients of whole numbers with up to four-digit dividends and two-digit divisors using strategies based on place value and properties of operations. 	<ul style="list-style-type: none"> ● I can divide whole numbers by using place value and properties of operations.

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<ul style="list-style-type: none"> ● <u>MA.5.NBT.B.7</u> Add, subtract, multiply, and divide decimals to hundredths using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used. 	<ul style="list-style-type: none"> ● SWBAT add, subtract, multiply, and divide decimals to hundredths using concrete models or drawings and strategies based on place value and properties of operations. 	<ul style="list-style-type: none"> ● I can add and subtract decimals using drawings/models, place value, and properties of operations. ● I can multiply decimals using drawings/models, place value, and properties of operations. ● I can divide decimals by using drawings/models, place value, and properties of operations.
<ul style="list-style-type: none"> ● <u>MATH.5.OA.A.1</u> [<i>Standard</i>] - Use parentheses, brackets, or braces in numerical expressions, and evaluate expressions with these symbols. 	<ul style="list-style-type: none"> ● SWBAT use parentheses, brackets, or braces in numerical expressions, and evaluate expressions with these symbols. 	<ul style="list-style-type: none"> ● I can evaluate numerical expressions that contain parentheses and brackets.
<ul style="list-style-type: none"> ● <u>MA.5.OA.A.2</u> Write simple expressions that record calculations with numbers, and interpret numerical expressions without evaluating them. 	<ul style="list-style-type: none"> ● SWBAT write simple expressions that record calculations with numbers, and interpret numerical expression without evaluating them. 	<ul style="list-style-type: none"> ● I can write numerical expressions. ● I can interpret numerical expressions.
<ul style="list-style-type: none"> ● <u>MA.6.EE.A.1</u> Write and evaluate numerical expressions involving whole number exponents. 	<ul style="list-style-type: none"> ● SWBAT write and evaluate numerical expressions involving whole number exponents. 	<ul style="list-style-type: none"> ● I can write numerical expressions that involve whole number exponents. ● I can interpret numerical expressions that involve whole number exponents. ●
<ul style="list-style-type: none"> ● <u>MA.6.EE.A.2</u> Write, read, and evaluate expressions in which letters stand for numbers. 	<ul style="list-style-type: none"> ● SWBAT write, read and evaluate expressions in which letters stand for numbers. 	<ul style="list-style-type: none"> ● I can write expressions in which letters stand for numbers. ● I can read expressions in which letters stand for numbers. ● I can evaluate expressions in which letters stand for numbers.

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<ul style="list-style-type: none"> ● MA.6.NS.B.2 Fluently divide multi-digit numbers using the standard algorithm. 	<ul style="list-style-type: none"> ● SWBAT fluently divide multi-digit numbers using the standard algorithm. 	<ul style="list-style-type: none"> ● I can fluently divide multi-digit numbers using the standard algorithm.
<ul style="list-style-type: none"> ● MA.6.NS.B.3 Fluently add, subtract, multiply, and divide multi-digit decimals using the standard algorithm. ● 	<ul style="list-style-type: none"> ● SWBAT fluently add, subtract, multiply, and divide multi-digit decimals using the standard algorithm. 	<ul style="list-style-type: none"> ● I can fluently add multi-digit decimals. ● I can fluently subtract multi-digit decimals. ● I can fluently multiply multi-digit decimals. ● I can fluently divide multi-digit decimals.
<ul style="list-style-type: none"> ● MA.6.NS.B.4 I can find the greatest common factor of two or three whole numbers less than or equal to 100 and the least common multiple of two or three numbers less than or equal to 12. 	<ul style="list-style-type: none"> ● SWBAT find the gcf of two or three whole numbers less than or equal to 100 and the lcm of two or three numbers less than or equal to 12. 	<ul style="list-style-type: none"> ● I can find the gcf of two or three whole numbers less than or equal to 100. ● I can find the lcm of two or three whole numbers less than or equal to 12.

Essential Questions

- How can a line plot help you find an average with data given in fractions? .
- How can you identify and plot points on a coordinate grid? .
- How can you use a coordinate grid to display data collected in an experiment? .
- How can you use a line graph to display and analyze real-world data? .
- How can you identify a relationship between two numerical patterns? .
- How can you use the strategy "solve a simpler problem" to help you solve a problem with patterns? .
- How can you write and graph ordered pairs on a coordinate grid using two numerical patterns? .
- How can you compare and convert customary units of length? .
- How can you compare and convert customary units of capacity? .
- How can you compare and convert customary units of weight? .
- How can you solve multistep problems that include measurement conversions? .
- How can you compare and convert metric units? .
- How can you use the strategy "make a table" to help you solve problems about customary and metric conversions? .
- How can you solve elapsed time problems by converting units of time? .

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- How can you identify and classify polygons?
- How can you classify triangles?
- How can you classify and compare quadrilaterals?
- How can you use the strategy "act it out" to approximate whether the sides of a figure are congruent?
- How can you identify, describe, and classify three-dimensional figures?
- What is a unit cube, and how can you use it to build a solid figure?
- How can you use unit cubes to find the volume of a rectangular prism?
- How can you use an everyday object to estimate the volume of a rectangular prism?
- How can you find the volume of a rectangular prism?
- How can you use a formula to find the volume of a rectangular prism?
- How can you use the strategy "make a table" to compare different rectangular prisms with the same volume?
- How can you find the volume of rectangular prisms that are combined?
- How can you apply the properties of operations to generate equivalent expressions?
- How can you identify when two expressions are equivalent?

Weekly Learning Activities and Pacing Guide			
Topic & # Days	NJ Standards	Critical Knowledge & Skills	Possible Resources & Activities
Big Ideas Chapter 11 (8 days total)	5.M.A.1 5.M.A.1 5.M.A.1 5.M.A.1 5.DL.B.5 5.M.A.1 5.DL.B.5	Obj. We are learning to: <ul style="list-style-type: none"> • Write lengths using equivalent metric measures. • Write masses and capacities using equivalent metric measures. • Write lengths using equivalent customary measures. • Write weights using equivalent customary measures. • Write capacities using equivalent customary measures. • Make line plots and use them to solve problems. 	Activities: Chapter 11 Opener: Convert and Display Units of Measure Lesson 11.1: Length in Metric Units Lesson 11.2: Mass and Capacity in Metric Units Lesson 11.3: Length in Customary Units Lesson 11.4: Weight in Customary Units Lesson 11.5: Capacity in Customary Units Lesson 11.6: Make and Interpret Line Plots Lesson 11.7: Problem Solving: Measurement End of Chapter 11: Convert and Display Units of Measure End of Chapter 11: Convert and Display Units of Measure End of Chapter 11: Convert and Display Units of Measure

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		<ul style="list-style-type: none"> Solve multi-step word problems involving units of measure <p>Suggested Formative Assessment(s):</p> <ul style="list-style-type: none"> Big Ideas Grade 5 and 6 Assessments Online Assessments Lesson Checks Exit Tickets Unit Project Assessment Guide iReady 	<p>Materials</p> <p>Big Ideas Materials</p> <p>*Stop watches/timers</p> <p>Place value charts (from millions to thousandths)</p> <p>*Multiplication and division charts</p> <p>*Manipulatives (cubes, money, coins, counters)</p> <p>Index cards</p> <p>*Paper (chart, graph, lined, and blank)</p> <p>Base ten blocks</p> <p>Calculators</p> <p>Colored pencils, markers, crayons</p> <p>*Dry erase boards</p> <p>Google Classroom Math</p> <p>Iready Math</p> <p>Reflex Math</p> <p>SplashLearn</p> <p>Khan Academy</p> <p>Math Aids Place Value: http://www.math-aids.com/Place_Value/</p> <p>http://www.commoncoresheets.com/Values.php</p> <p>http://www.printable-math-worksheets.com/place-value-chart.html</p>
Big Ideas Chapter 12 (8 days total)	5.G.A.1 5.G.A.2 5.G.A.1 5.G.A.2 5.G.A.1 5.G.A.2 5.G.A.1 5.G.A.2 5.G.A.1 5.G.A.2 5.OA.B.3 5.OA.B.3 5.G.A.2	<p>Obj. We are learning to:</p> <ul style="list-style-type: none"> Identify and plot points in a coordinate plane. Relate points and find distances in a coordinate plane Draw and identify polygons in a coordinate plane. Graph and interpret data in a coordinate plane. Make and interpret line graphs. Create and describe numerical patterns. Use a graph to describe the relationship between two numerical patterns. <p>Suggested Formative Assessment(s):</p> <ul style="list-style-type: none"> Big Ideas Grade 5 and 6 Assessments Online Assessments Lesson Checks Exit Tickets 	<p>Activities:</p> <p>Chapter 12 Opener: Patterns in the Coordinate Plane</p> <p>Lesson 12.1: Plot Points in a Coordinate Plane</p> <p>Lesson 12.2: Relate Points in a Coordinate Plane</p> <p>Lesson 12.3: Draw Polygons in a Coordinate Plane</p> <p>Lesson 12.4: Graph Data</p> <p>Lesson 12.5: Make and Interpret Line Graphs</p> <p>Lesson 12.6: Numerical Patterns</p> <p>Lesson 12.7: Graph and Analyze Relationships</p> <p>Materials</p> <p>Big Ideas Materials</p> <p>*Stop watches/timers</p> <p>Place value charts (from millions to thousandths)</p> <p>*Multiplication and division charts</p> <p>*Manipulatives (cubes, money, coins, counters)</p> <p>Index cards</p> <p>*Paper (chart, graph, lined, and blank)</p> <p>Base ten blocks</p>

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		<ul style="list-style-type: none"> • Unit Project • Assessment Guide • iReady 	Calculators Colored pencils, markers, crayons *Dry erase boards Google Classroom Math Iready Math Reflex Math SplashLearn Khan Academy Math Aids Place Value: http://www.math-aids.com/Place_Value/ http://www.commoncoresheets.com/Values.php http://www.printable-math-worksheets.com/place-value-chart.html
Grade 6 Big Ideas Chapter 3 (6 days total)	6.RP.A.1 6.RP.A.3 6.RP.A.3 6.RP.A.1 6.RP.A.3 6.RP.A.3 6.RP.A.3a 6.RP.A.1 6.RP.A.3 6.RP.A.3a 6.RP.A.3b 6.RP.A.3d	Obj. We are learning to: <ul style="list-style-type: none"> • Understand the concepts of ratios and equivalent ratios. • Use tape diagrams to model and solve ratio problems. • Use ratio tables to represent equivalent ratios and solve ratio problems. • Represent ratio relationships in a coordinate plane. • Understand the concept of a unit rate and solve rate problems. • Use ratio reasoning to convert units of measure. Suggested Formative Assessment(s): <ul style="list-style-type: none"> • Big Ideas Grade 5 and 6 Assessments • Online Assessments • Lesson Checks • Exit Tickets • Unit Project • Assessment Guide • iReady 	Activities: lesson 3.1 lesson 3.2 lesson 3.3 lesson 3.4 lesson 3.5 lesson 3.6 Materials Big Ideas Materials *Stop watches/timers Place value charts (from millions to thousandths) *Multiplication and division charts *Manipulatives (cubes, money, coins, counters) Index cards *Paper (chart, graph, lined, and blank) Base ten blocks Calculators Colored pencils, markers, crayons *Dry erase boards Google Classroom Math Iready Math Reflex Math SplashLearn Khan Academy Math Aids Place Value: http://www.math-aids.com/Place_Value/ http://www.commoncoresheets.com/Values.php http://www.printable-math-worksheets.com/place-value-chart.html

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<p>Big Ideas Chapter 13 (9 days total)</p>	<p>5.M.B.2a 5.M.B.2b 5.M.B.3 5.M.B.3 5.M.B.4a 5.M.B.4a 5.M.B.4b 5.M.B.4a 5.M.B.4b 5.M.B.4b 5.M.B.4c</p>	<p>Obj. We are learning to:</p> <ul style="list-style-type: none"> Count to find volumes of solid figures. Find volumes of right rectangular prisms. Use a formula to find volumes of rectangular prisms. Find unknown dimensions of rectangular prisms. Find volumes of composite figures. <p>Suggested Formative Assessment(s):</p> <ul style="list-style-type: none"> Big Ideas Grade 5 and 6 Assessments Online Assessments Lesson Checks Exit Tickets Unit Project Assessment Guide iReady 	<p>Activities: Chapter 13 Opener: Understand Volume Lesson 13.1: Understand the Concept of Volume Lesson 13.2: Find Volumes of Right Rectangular Prisms Lesson 13.3: Apply the Volume Formula Lesson 13.4: Find Unknown Dimensions Lesson 13.5: Find Volumes of Composite Figures End of Chapter 13: Understand Volume End of Chapter 13: Understand Volume End of Chapter 13: Understand Volume</p> <p>Materials Big Ideas Materials *Stop watches/timers Place value charts (from millions to thousandths) *Multiplication and division charts *Manipulatives (cubes, money, coins, counters) Index cards *Paper (chart, graph, lined, and blank) Base ten blocks Calculators Colored pencils, markers, crayons *Dry erase boards Google Classroom Math Iready Math Reflex Math SplashLearn Khan Academy Math Aids Place Value: http://www.math-aids.com/Place_Value/ http://www.commoncoresheets.com/Values.php http://www.printable-math-worksheets.com/place-value-chart.html</p>
<p>Big Ideas Chapter 14 (4 days total)</p>	<p>5.G.B.4 5.G.B.3 5.G.B.4 5.G.B.3 5.G.B.4</p>	<p>Obj. We are learning to:</p> <ul style="list-style-type: none"> Classify triangles by their angles and their sides. Classify quadrilaterals by their angles and their sides. Understand the hierarchy of quadrilaterals. <p>Suggested Formative Assessment(s):</p>	<p>Activities: Chapter 14 Opener: Classify Two-Dimensional Shapes Lesson 14.1: Classify Triangles Lesson 14.2: Classify Quadrilaterals Lesson 14.3: Relate Quadrilaterals End of Chapter 14: Classify Two-Dimensional Shapes End of Chapter 14: Classify Two-Dimensional Shapes</p>

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		<ul style="list-style-type: none"> • Big Ideas Grade 5 and 6 Assessments • Online Assessments • Lesson Checks • Exit Tickets • Unit Project • Assessment Guide • iReady 	<p>Materials</p> <p>Big Ideas Materials</p> <p>*Stop watches/timers</p> <p>Place value charts (from millions to thousandths)</p> <p>*Multiplication and division charts</p> <p>*Manipulatives (cubes, money, coins, counters)</p> <p>Index cards</p> <p>*Paper (chart, graph, lined, and blank)</p> <p>Base ten blocks</p> <p>Calculators</p> <p>Colored pencils, markers, crayons</p> <p>*Dry erase boards</p> <p>Google Classroom Math</p> <p>Iready Math</p> <p>Reflex Math</p> <p>SplashLearn</p> <p>Khan Academy</p> <p>Math Aids Place Value: http://www.math-aids.com/Place_Value/</p> <p>http://www.commoncoresheets.com/Values.php</p> <p>http://www.printable-math-worksheets.com/place-value-chart.html</p>
Grade 6 Big Ideas Chapter 4 (6 days total)	6.RP.A.3c 6.RP.A.3c 6.NS.C.7a 6.NS.C.7b 6.RP.A.3	<p>Obj. We are learning to:</p> <ul style="list-style-type: none"> • Write percents as fractions and fractions as percents. • Write percents as decimals and decimals as percents. • Compare and order fractions, decimals, and percents. • Find a percent of a quantity and solve percent problems. <p>Suggested Formative Assessment(s):</p> <ul style="list-style-type: none"> • Big Ideas Grade 5 and 6 Assessments • Online Assessments • Lesson Checks • Exit Tickets • Unit Project • Assessment Guide • iReady 	<p>Activities:</p> <p>lesson 4.1</p> <p>lesson 4.2</p> <p>lesson 4.3</p> <p>lesson 4.4</p> <p>Materials</p> <p>Big Ideas Materials</p> <p>*Stop watches/timers</p> <p>Place value charts (from millions to thousandths)</p> <p>*Multiplication and division charts</p> <p>*Manipulatives (cubes, money, coins, counters)</p> <p>Index cards</p> <p>*Paper (chart, graph, lined, and blank)</p> <p>Base ten blocks</p> <p>Calculators</p> <p>Colored pencils, markers, crayons</p> <p>*Dry erase boards</p> <p>Google Classroom Math</p>

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			Iready Math Reflex Math SplashLearn Khan Academy Math Aids Place Value: http://www.math-aids.com/Place_Value/ http://www.commoncoresheets.com/Values.php http://www.printable-math-worksheets.com/place-value-chart.html
Grade 6 Big Ideas Chapter 5 (6 days total)	6.EE.A.2b 6.EE.A.2a 6.EE.A.3 6.EE.A.4 6.NS.B.4 6.EE.A.2b 6.EE.A.3 A 6.EE.A.4 I	<p>Obj. We are learning to:</p> <ul style="list-style-type: none"> Identify parts of an expression using mathematical terms Write expressions that record operations with numbers and with letters standing for numbers. Apply the properties of operations to generate equivalent expressions. Identify when two expressions are equivalent Use the Distributive Property to factor numerical expressions. Identify the greatest common factor of terms including variables. Use the Distributive Property to factor algebraic expressions. Interpret factored expressions <p>Suggested Formative Assessment(s):</p> <ul style="list-style-type: none"> Big Ideas Grade 5 and 6 Assessments Online Assessments Lesson Checks Exit Tickets Unit Project Assessment Guide iReady 	<p>Activities:</p> Lesson 5.1 Lesson 5.2 Lesson 5.3 and lesson 5.4 Lesson 5.5 <p>Materials</p> Big Ideas Materials *Stop watches/timers Place value charts (from millions to thousandths) *Multiplication and division charts *Manipulatives (cubes, money, coins, counters) Index cards *Paper (chart, graph, lined, and blank) Base ten blocks Calculators Colored pencils, markers, crayons *Dry erase boards Google Classroom Math Iready Math Reflex Math SplashLearn Khan Academy Math Aids Place Value: http://www.math-aids.com/Place_Value/ http://www.commoncoresheets.com/Values.php http://www.printable-math-worksheets.com/place-value-chart.html

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Technology Integration	Interdisciplinary Connections	21st Century Life and Career Skills
<ul style="list-style-type: none"> • Math Playground - http://www.mathplayground.com/grade_5_games.html • Khan Academy - http://www.khanacademy.org/math/cc-fifth-grade-math • Illustrative Mathematics - http://www.illustrativemathematics.org • Prodigy - http://www.prodigygame.com • Learn Zillion - http://www.learnzillion.com • aaamath - http://www.aaamath.com/grade5.html • Math is Fun - https://www.mathsisfun.com/ • Sheppard Software - http://www.sheppardsoftware.com/math.htm • Adapted Mind - http://adaptedmind.com • Internet 4 Classrooms - http://internet4classrooms.com • Academic Skill Builders - http://academic skillbuilders.com • Math Play - http://www.math-play.com • Class K-12 - https://www.classk12.com • Figure This - https://figurethis.nctm.org/challenges/math_index.htm • Freckle Education - https://www.freckle.com • Greg Tang Math - https://gregtangmath.com <p>• 8.1.5.A.1 Select and use the appropriate digital tools and resources to accomplish a variety of tasks including</p>	<p>Next Gen Science Standards (5. Structure and Properties of Matter Unit have connections to 5.NBT.A.1; 5.NF.B.7; 5.MD.A.1; 5.MD.C.3; 5.MD.C.4)</p> <p>Next Gen Science Standards (5. Matter and Energy in Organisms and Ecosystems Unit have connections to 5.MD.A.1)</p>	<ul style="list-style-type: none"> • CRP2. Apply appropriate academic and technical skills. • CRP4. Communicate clearly and effectively and with reason. • CRP6. Demonstrate creativity and innovation. • CRP8. Utilize critical thinking to make sense of problems and persevere in solving them. • CRP11. Use technology to enhance productivity.

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<p>solving problems.</p> <ul style="list-style-type: none">• 8.1.5.A.3 Use a graphic organizer to organize information about problem or issue.• 8.1.5.A.4 Graph data using a spreadsheet, analyze and produce a report that explains the analysis of the data.• 8.1.5.A.5 Create and use a database to answer basic questions.• 8.1.5.A.6 Export data from a database into a spreadsheet; analyze and produce a report that explains the analysis of the data.		
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[Link to Additional Components including Cross Curricular Connections, Accommodations, Assessments, Etc](#)

[ELA Enduring Understanding Statements](#)