

Swedesboro-Woolwich School District's Mathematics Curriculum Guidance Document

GRADE 4– Unit 1/Big Ideas Chapters 1-4

Mission Statement

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.

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.

Unit/Module Overview

The students will be working on

- Place Value Concepts
- Add and Subtract Multi-Digit Numbers
- Multiply by One-Digit Numbers
- Multiply by Two-Digit Numbers

Standards Covered in Current Unit/Module

Related Standards and Learning Goals

MATH.4.OA.A.1 Interpret a multiplication equation as a comparison, e.g., interpret $35 = 5 \times 7$ as a statement that 35 is 5 times as many as 7 and 7 times as many as 5. Represent verbal statements of multiplicative comparisons as multiplication equations.

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MATH.4.OA.A.2 Multiply or divide to solve word problems involving multiplicative comparison, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem, distinguishing multiplicative comparison from additive comparison.

MATH.4.OA.A.3 Solve multi-step word problems posed with whole numbers and having whole-number answers using the four operations, including problems in which remainders must be interpreted. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding.

MATH.4.NBT.A.1 Recognize that in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right.

MATH.4.NBT.A.2 Read and write multi-digit whole numbers using base-ten numerals, number names, and expanded form. Compare two multi-digit numbers based on meanings of the digits in each place, using $>$, $=$, and $<$ symbols to record the results of comparisons.

MATH.4.NBT.A.3 Use place value understanding to round multi-digit whole numbers to any place.

MATH.4.NBT.B.4 With accuracy and efficiency, add and subtract multi-digit whole numbers using the standard algorithm.

MATH.4.NBT.B.5 Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.

Essential Questions

- How does place value help represent the value of numbers?
- What strategies can I use to add, subtract or multiply whole numbers?

Weekly Learning Activities and Pacing Guide

Topic & # Days	NJ Standards	Critical Knowledge & Skills	Possible Resources & Activities
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<p>Big Ideas Chapter 1 (9 days total)</p> <p>LESSON 1</p>	<p>4.NBT.A.1 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.</p> <p>4.NBT.A.2</p> <p>Read and write multi-digit whole numbers using base ten numerals, number names, and expanded form. Compare two multi-digit numbers based on meanings of the digits in each place, using $>$, $=$, and $<$ symbols to record the results of comparisons.</p>	<p>Learning Goals:</p> <ul style="list-style-type: none"> • Identify the first six place value names. • Identify the value of each digit in a number. • Compare the values of two of the same digits in a number <p>Obj. We are learning to: I can identify the values of digits in multi-digit numbers</p> <p>Suggested Formative Assessment(s):</p> <ul style="list-style-type: none"> • Big Ideas Created Assessment: Course Benchmark # 1 (for use after Chapter 3) • Journal Writing • Standardized Test Practice (NJSLA released items) • Teacher Created Assessments/Exit Tickets Big Ideas • Big Ideas Chapter Assessment Form A • Big Ideas Created Assessment: Pre-Course Test (administer beginning of the year prior to instruction) 	<p>Activities:</p> <ul style="list-style-type: none"> -Chapter Opener -Whole Group Lesson -Exit Tickets (4th grade shared folder Math already created or create your own online via Big Ideas online platform) -See Strategies for Differentiating Instruction to utilize during Math Centers -See Resources by Chapter for Daily Skills & Vocab, Prerequisite Skills, Extra Practice, Reteach, Enrich and Extend Activities -Homework by lessons may be assigned via the workbook or through the Big Ideas online platform -iReady for 40 minutes/week <p>Materials</p> <ul style="list-style-type: none"> • Weekly Calendar • Hands On Manipulatives • Visual Vocabulary Cards • Exit Tickets • Common Core Quick Check (Printable) • Problem of the Day (Printable) • Foldables • Reflex Math • Big Ideas Workbook Volume 1 • Big Ideas Online digital platform • iReady platform 40 minutes/week with individual paths for each student
<p>Big Ideas Chapter 1 (9 days total)</p>	<p>4.NBT.A.2</p>	<p>Learning Goals:</p> <ul style="list-style-type: none"> • Write a number in standard form. • Read and write a number in word form. 	<p>Activities:</p> <ul style="list-style-type: none"> Whole Group Lesson -Exit Tickets (4th grade shared folder Math already

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<p>LESSON 2</p>	<p>Read and write multi-digit whole numbers using base ten numerals, number names, and expanded form. Compare two multi-digit numbers based on meanings of the digits in each place, using $>$, $=$, and $<$ symbols to record the results of comparisons.</p>	<ul style="list-style-type: none"> • Write a number in expanded form. <p>Obj. We are learning to: I can read and write multi-digit numbers in different forms.</p> <p>Suggested Formative Assessment(s):</p> <ul style="list-style-type: none"> • Big Ideas Created Assessment: Course Benchmark # 1 (for use after Chapter 3) • Journal Writing • Standardized Test Practice (NJSLA released items) • Teacher Created Assessments/Exit Tickets Big Ideas • Big Ideas Chapter Assessment Form A • Big Ideas Created Assessment: Pre-Course Test (administer beginning of the year prior to instruction) 	<p>created or create your own online via Big Ideas online platform) -See Strategies for Differentiating Instruction to utilize during Math Centers -See Resources by Chapter for Daily Skills & Vocab, Prerequisite Skills, Extra Practice, Reteach, Enrich and Extend Activities -Homework by lessons may be assigned via the workbook or through the Big Ideas online platform -iReady for 40 minutes/week</p> <p>Materials</p> <ul style="list-style-type: none"> • Weekly Calendar • Hands On Manipulatives • Visual Vocabulary Cards • Exit Tickets • Common Core Quick Check (Printable) • Problem of the Day (Printable) • Foldables • Reflex Math • Big Ideas Workbook Volume 1 • Big Ideas Online digital platform • iReady platform 40 minutes/week with individual paths for each student
<p>Big Ideas Chapter 1 (9 days total)</p> <p>LESSON 3</p>	<p>4.NBT.A.2</p> <p>Read and write multi-digit whole numbers using base ten numerals, number names, and expanded form.</p>	<p>Learning Goals:</p> <ul style="list-style-type: none"> • Explain how to compare two numbers with the same number of digits. • Use the symbols $<$, $>$, and $=$ to compare two numbers. <p>Obj. We are learning to: I can use place value to compare two multi-digit numbers.</p>	<p>Activities:</p> <p>-Whole Group Lesson -Exit Tickets (4th grade shared folder Math already created or create your own online via Big Ideas online platform) -See Strategies for Differentiating Instruction to utilize during Math Centers</p>

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	<p>Compare two multi-digit numbers based on meanings of the digits in each place, using $>$, $=$, and $<$ symbols to record the results of comparisons.</p>	<p>Suggested Formative Assessment(s):</p> <ul style="list-style-type: none"> • Big Ideas Created Assessment: Course Benchmark # 1 (for use after Chapter 3) • Journal Writing • Standardized Test Practice (NJSLA released items) • Teacher Created Assessments/Exit Tickets Big Ideas • Big Ideas Chapter Assessment Form A • Big Ideas Created Assessment: Pre-Course Test (administer beginning of the year prior to instruction) 	<p>-See Resources by Chapter for Daily Skills & Vocab, Prerequisite Skills, Extra Practice, Reteach, Enrich and Extend Activities</p> <p>-Homework by lessons may be assigned via the workbook or through the Big Ideas online platform</p> <p>-iReady for 40 minutes/week</p> <p>Materials</p> <ul style="list-style-type: none"> • Weekly Calendar • Hands On Manipulatives • Visual Vocabulary Cards • Exit Tickets • Common Core Quick Check (Printable) • Problem of the Day (Printable) • Foldables • Reflex Math • Big Ideas Workbook Volume 1 • Big Ideas Online digital platform • iReady platform 40 minutes/week with individual paths for each student
<p>Big Ideas Chapter 1 (9 days total)</p> <p>LESSON 4</p>	<p>4.NBT.A.3</p> <p>Use place value understanding to round multi-digit whole numbers to any place.</p>	<p>Learning Goals:</p> <ul style="list-style-type: none"> • Explain which digit I use to round and why. • Round a multi-digit number to any place. <p>Obj. We are learning to:</p> <p>I can use place value to round multi-digit numbers.</p> <p>Suggested Formative Assessment(s):</p> <ul style="list-style-type: none"> • Big Ideas Created Assessment: Course Benchmark # 1 (for use after Chapter 3) • Journal Writing • Standardized Test Practice (NJSLA released items) 	<p>Activities:</p> <p>-Whole Group Lesson</p> <p>-Exit Tickets (4th grade shared folder Math already created or create your own online via Big Ideas online platform)</p> <p>-See Strategies for Differentiating Instruction to utilize during Math Centers</p> <p>-See Resources by Chapter for Daily Skills & Vocab, Prerequisite Skills, Extra Practice, Reteach, Enrich and Extend Activities</p> <p>-Homework by lessons may be assigned via the workbook or through the Big Ideas online platform.</p>

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		<ul style="list-style-type: none"> • Teacher Created Assessments/Exit Tickets Big Ideas • Big Ideas Chapter Assessment Form A • Big Ideas Created Assessment: Pre-Course Test (administer beginning of the year prior to instruction) <p>Review and Chapter Assessment</p>	<p>-iReady for 40 minutes/week -Review & Chapter Assessment</p> <p>Materials</p> <ul style="list-style-type: none"> • Weekly Calendar • Hands On Manipulatives • Visual Vocabulary Cards • Exit Tickets • Common Core Quick Check (Printable) • Problem of the Day (Printable) • Foldables • Reflex Math • Big Ideas Workbook Volume 1 • Big Ideas Online digital platform • iReady platform 40 minutes/week with individual paths for each student
<p>Big Ideas Chapter 2 (11 days total)</p> <p>LESSON 1</p>	<p>4.NBT.A.3</p> <p>Use place value understanding to round multi-digit whole numbers to any place.</p> <p>4.NBT.B.4 With accuracy and efficiency, add and subtract multi-digit whole numbers using the standard algorithm.</p>	<p>Learning Goals:</p> <ul style="list-style-type: none"> • Use rounding to estimate a sum. • Use rounding to estimate a difference. • Explain what happens when I round to different place values. <p>Obj. We are learning to: I can use rounding to estimate sums and differences.</p> <p>Suggested Formative Assessment(s):</p> <ul style="list-style-type: none"> • Big Ideas Created Assessment: Course Benchmark # 1 (for use after Chapter 3) • Journal Writing • Standardized Test Practice (NJSLA released items) • Teacher Created Assessments/Exit Tickets Big Ideas • Big Ideas Chapter Assessment Form A 	<p>Activities:</p> <p>-Chapter Opener -Whole Group Lesson -Exit Tickets (4th grade shared folder Math already created or create your own online via Big Ideas online platform) -See Strategies for Differentiating Instruction to utilize during Math Centers -See Resources by Chapter for Daily Skills & Vocab, Prerequisite Skills, Extra Practice, Reteach, Enrich and Extend Activities -Homework by lessons may be assigned via the workbook or through the Big Ideas online platform -iReady for 40 minutes/week</p> <p>Materials</p>

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		<ul style="list-style-type: none"> • Big Ideas Created Assessment: Pre-Course Test (administer beginning of the year prior to instruction) 	<ul style="list-style-type: none"> • Weekly Calendar • Hands On Manipulatives • Visual Vocabulary Cards • Exit Tickets • Common Core Quick Check (Printable) • Problem of the Day (Printable) • Foldables • Reflex Math • Big Ideas Workbook Volume 1 • Big Ideas Online digital platform • iReady platform 40 minutes/week with individual paths for each student
<p>Big Ideas Chapter 2 (11 days total)</p> <p>LESSON 2</p>	<p>4.NBT.B.4 With accuracy and efficiency, add and subtract multi-digit whole numbers using the standard algorithm.</p>	<p>Learning Goals:</p> <ul style="list-style-type: none"> • Use place value to line up the numbers in an addition problem. • Add multi-digit numbers, regrouping when needed. • Estimate a sum to check whether my answer is reasonable. <p>Obj. We are learning to:</p> <p>I can add multi-digit numbers using the standard algorithm and check whether the sum is reasonable.</p> <p>Suggested Formative Assessment(s):</p> <ul style="list-style-type: none"> • Big Ideas Created Assessment: Course Benchmark # 1 (for use after Chapter 3) • Journal Writing • Standardized Test Practice (NJSLA released items) • Teacher Created Assessments/Exit Tickets Big Ideas • Big Ideas Chapter Assessment Form A • Big Ideas Created Assessment: Pre-Course Test (administer beginning of the year prior to instruction) 	<p>Activities:</p> <ul style="list-style-type: none"> -Chapter Opener -Whole Group Lesson -Exit Tickets (4th grade shared folder Math already created or create your own online via Big Ideas online platform) -See Strategies for Differentiating Instruction to utilize during Math Centers -See Resources by Chapter for Daily Skills & Vocab, Prerequisite Skills, Extra Practice, Reteach, Enrich and Extend Activities -Homework by lessons may be assigned via the workbook or through the Big Ideas online platform -iReady for 40 minutes/week <p>Materials</p> <ul style="list-style-type: none"> • Weekly Calendar • Hands On Manipulatives • Visual Vocabulary Cards • Exit Tickets

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			<ul style="list-style-type: none"> • Common Core Quick Check (Printable) • Problem of the Day (Printable) • Foldables • Reflex Math • Big Ideas Workbook Volume 1 • Big Ideas Online digital platform • iReady platform 40 minutes/week with individual paths for each student
<p>Big Ideas Chapter 2 (11 days total)</p> <p>LESSON 3</p>	<p>4.NBT.B.4 With accuracy and efficiency, add and subtract multi-digit whole numbers using the standard algorithm.</p>	<p>Learning Goals:</p> <ul style="list-style-type: none"> • Use place value to line up the numbers in a subtraction problem. • Subtract multi-digit numbers, regrouping when needed. • Estimate a difference or use addition to check my answer. <p>Obj. We are learning to: I can subtract multi-digit numbers and check my answer.</p> <p>Suggested Formative Assessment(s):</p> <ul style="list-style-type: none"> • Big Ideas Created Assessment: Course Benchmark # 1 (for use after Chapter 3) • Journal Writing • Standardized Test Practice (NJSLA released items) • Teacher Created Assessments/Exit Tickets Big Ideas • Big Ideas Chapter Assessment Form A • Big Ideas Created Assessment: Pre-Course Test (administer beginning of the year prior to instruction) 	<p>Activities:</p> <ul style="list-style-type: none"> -Chapter Opener -Whole Group Lesson -Exit Tickets (4th grade shared folder Math already created or create your own online via Big Ideas online platform) -See Strategies for Differentiating Instruction to utilize during Math Centers -See Resources by Chapter for Daily Skills & Vocab, Prerequisite Skills, Extra Practice, Reteach, Enrich and Extend Activities -Homework by lessons may be assigned via the workbook or through the Big Ideas online platform -iReady for 40 minutes/week <p>Materials</p> <ul style="list-style-type: none"> • Weekly Calendar • Hands On Manipulatives • Visual Vocabulary Cards • Exit Tickets • Common Core Quick Check (Printable) • Problem of the Day (Printable) • Foldables • Reflex Math

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			<ul style="list-style-type: none"> • Big Ideas Workbook Volume 1 • Big Ideas Online digital platform • iReady platform 40 minutes/week with individual paths for each student
<p>Big Ideas Chapter 2 (11 days total)</p> <p>LESSON 4</p>	<p>4.NBT.B.4 With accuracy and efficiency, add and subtract multi-digit whole numbers using the standard algorithm.</p>	<p>Learning Goals:</p> <ul style="list-style-type: none"> • Use strategies to add multi-digit numbers. • Use strategies to subtract multi-digit numbers. <p>Obj. We are learning to:</p> <p>I can use strategies to add and subtract multi-digit numbers.</p> <p>Suggested Formative Assessment(s):</p> <ul style="list-style-type: none"> • Big Ideas Created Assessment: Course Benchmark # 1 (for use after Chapter 3) • Journal Writing • Standardized Test Practice (NJSLA released items) • Teacher Created Assessments/Exit Tickets Big Ideas • Big Ideas Chapter Assessment Form A • Big Ideas Created Assessment: Pre-Course Test (administer beginning of the year prior to instruction) 	<p>Activities:</p> <ul style="list-style-type: none"> -Chapter Opener -Whole Group Lesson -Exit Tickets (4th grade shared folder Math already created or create your own online via Big Ideas online platform) -See Strategies for Differentiating Instruction to utilize during Math Centers -See Resources by Chapter for Daily Skills & Vocab, Prerequisite Skills, Extra Practice, Reteach, Enrich and Extend Activities -Homework by lessons may be assigned via the workbook or through the Big Ideas online platform -iReady for 40 minutes/week <p>Materials</p> <ul style="list-style-type: none"> • Weekly Calendar • Hands On Manipulatives • Visual Vocabulary Cards • Exit Tickets • Common Core Quick Check (Printable) • Problem of the Day (Printable) • Foldables • Reflex Math • Big Ideas Workbook Volume 1 • Big Ideas Online digital platform • iReady platform 40 minutes/week with individual paths for each student

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<p>Big Ideas Chapter 2 (11 days total)</p> <p>LESSON 5</p>	<p>4.NBT.B.4 With accuracy and efficiency, add and subtract multi-digit whole numbers using the standard algorithm.</p> <p>4.OA.A.3</p> <p>Solve multistep word problems posed with whole numbers and having whole-number answers using the four operations, including problems in which remainders must be interpreted. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding.</p>	<p>Learning Goals:</p> <ul style="list-style-type: none"> • Understand a problem. • Make a plan to solve a problem using letters to represent the unknown numbers. • Solve a problem and check whether my answer is reasonable. <p>Obj. We are learning to: I can use the problem-solving plan to solve two-step addition and subtraction word problems.</p> <p>Suggested Formative Assessment(s):</p> <ul style="list-style-type: none"> • Big Ideas Created Assessment: Course Benchmark # 1 (for use after Chapter 3) • Journal Writing • Standardized Test Practice (NJSLA released items) • Teacher Created Assessments/Exit Tickets Big Ideas • Big Ideas Chapter Assessment Form A • Big Ideas Created Assessment: Pre-Course Test (administer beginning of the year prior to instruction) <p>Review and Chapter Assessment</p>	<p>Activities:</p> <ul style="list-style-type: none"> -Chapter Opener -Whole Group Lesson -Exit Tickets (4th grade shared folder Math already created or create your own online via Big Ideas online platform) -See Strategies for Differentiating Instruction to utilize during Math Centers -See Resources by Chapter for Daily Skills & Vocab, Prerequisite Skills, Extra Practice, Reteach, Enrich and Extend Activities -Homework by lessons may be assigned via the workbook or through the Big Ideas online platform -iReady for 40 minutes/week <p>Materials</p> <ul style="list-style-type: none"> • Weekly Calendar • Hands On Manipulatives • Visual Vocabulary Cards • Exit Tickets • Common Core Quick Check (Printable) • Problem of the Day (Printable) • Foldables • Reflex Math • Big Ideas Workbook Volume 1 • Big Ideas Online digital platform • iReady platform 40 minutes/week with individual paths for each student
<p>Big Ideas Chapter 3 (16 days)</p>	<p>4.OA.A.1 Interpret a multiplication equation as a comparison. Represent</p>	<p>Learning Goals:</p> <ul style="list-style-type: none"> • Write addition or multiplication equations given a comparison sentence. 	<p>Activities:</p> <ul style="list-style-type: none"> -Chapter Opener -Whole Group Lesson

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total) LESSON 1	<p>verbal statements of multiplicative comparisons as multiplication equations.</p> <p>4.OA.A.2 Multiply or divide to solve word problems involving multiplicative comparison.</p>	<ul style="list-style-type: none"> ● Write a comparison sentence given an addition or a multiplication equation. ● Solve comparison word problems involving multiplication <p>Obj. We are learning to: I can use multiplication to compare two numbers.</p> <p>Suggested Formative Assessment(s):</p> <ul style="list-style-type: none"> • Big Ideas Created Assessment: Course Benchmark # 1 (for use after Chapter 3) • Journal Writing • Standardized Test Practice (NJSLA released items) • Teacher Created Assessments/Exit Tickets Big Ideas • Big Ideas Chapter Assessment Form A • Big Ideas Created Assessment: Pre-Course Test (administer beginning of the year prior to instruction) 	<p>-Exit Tickets (4th grade shared folder Math already created or create your own online via Big Ideas online platform)</p> <p>-See Strategies for Differentiating Instruction to utilize during Math Centers</p> <p>-See Resources by Chapter for Daily Skills & Vocab, Prerequisite Skills, Extra Practice, Reteach, Enrich and Extend Activities</p> <p>-Homework by lessons may be assigned via the workbook or through the Big Ideas online platform</p> <p>-iReady for 40 minutes/week</p> <p>Materials</p> <ul style="list-style-type: none"> • Weekly Calendar • Hands On Manipulatives • Visual Vocabulary Cards • Exit Tickets • Common Core Quick Check (Printable) • Problem of the Day (Printable) • Foldables • Reflex Math • Big Ideas Workbook Volume 1 • Big Ideas Online digital platform • iReady platform 40 minutes/week with individual paths for each student
Big Ideas Chapter 3 (16 days total) LESSON 2	<p>4.NBT.A.1 Recognize that in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right.</p>	<p>Learning Goals:</p> <ul style="list-style-type: none"> ● Find the product of a one-digit number and a multiple of ten, one hundred, or one thousand. ● Describe a pattern when multiplying by tens, hundreds, or thousands. 	<p>Activities:</p> <p>-Whole Group Lesson</p> <p>-Exit Tickets (4th grade shared folder Math already created or create your own online via Big Ideas online platform)</p> <p>-See Strategies for Differentiating Instruction to utilize during Math Centers</p>

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	<p>4.NBT.B.5 Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.</p>	<p>Obj. We are learning to: I can use place value to multiply by tens, hundreds, or thousands.</p> <p>Suggested Formative Assessment(s):</p> <ul style="list-style-type: none"> • Big Ideas Created Assessment: Course Benchmark # 1 (for use after Chapter 3) • Journal Writing • Standardized Test Practice (NJSLA released items) • Teacher Created Assessments/Exit Tickets Big Ideas • Big Ideas Chapter Assessment Form A • Big Ideas Created Assessment: Pre-Course Test (administer beginning of the year prior to instruction) 	<p>-See Resources by Chapter for Daily Skills & Vocab, Prerequisite Skills, Extra Practice, Reteach, Enrich and Extend Activities -Homework by lessons may be assigned via the workbook or through the Big Ideas online platform -iReady for 40 minutes/week</p> <p>Materials</p> <ul style="list-style-type: none"> • Weekly Calendar • Hands On Manipulatives • Visual Vocabulary Cards • Exit Tickets • Common Core Quick Check (Printable) • Problem of the Day (Printable) • Foldables • Reflex Math • Big Ideas Workbook Volume 1 • Big Ideas Online digital platform • iReady platform 40 minutes/week with individual paths for each student
<p>Big Ideas Chapter 3 (16 days total)</p> <p>LESSON 3</p>	<p>4.NBT.A.3</p> <p>Use place value understanding to round</p> <p>multi-digit whole numbers to any place.</p>	<p>Learning Goals:</p> <ul style="list-style-type: none"> • Use rounding to estimate a product. • Find two estimates that a product is between. • Tell whether a product is reasonable <p>Obj. We are learning to: I can use rounding to estimate products.</p> <p>Suggested Formative Assessment(s):</p> <ul style="list-style-type: none"> • Big Ideas Created Assessment: Course Benchmark # 1 (for use after Chapter 3) 	<p>Activities:</p> <p>-Whole Group Lesson -Exit Tickets (4th grade shared folder Math already created or create your own online via Big Ideas online platform) -See Strategies for Differentiating Instruction to utilize during Math Centers -See Resources by Chapter for Daily Skills & Vocab, Prerequisite Skills, Extra Practice, Reteach, Enrich and Extend Activities -Homework by lessons may be assigned via the workbook or through the Big Ideas online platform</p>

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	<p>4.NBT.B.5 Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.</p>	<ul style="list-style-type: none"> • Journal Writing • Standardized Test Practice (NJSLA released items) • Teacher Created Assessments/Exit Tickets Big Ideas • Big Ideas Chapter Assessment Form A • Big Ideas Created Assessment: Pre-Course Test (administer beginning of the year prior to instruction) 	<p>-iReady for 40 minutes/week</p> <p>Materials</p> <ul style="list-style-type: none"> • Weekly Calendar • Hands On Manipulatives • Visual Vocabulary Cards • Exit Tickets • Common Core Quick Check (Printable) • Problem of the Day (Printable) • Foldables • Reflex Math • Big Ideas Workbook Volume 1 • Big Ideas Online digital platform • iReady platform 40 minutes/week with individual paths for each student
<p>Big Ideas Chapter 3 (16 days total)</p> <p>LESSON 4</p>	<p>4.NBT.B.5 Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.</p>	<p>Learning Goals:</p> <ul style="list-style-type: none"> • Draw an area model to multiply. • Use known facts to find a product. • Explain how to use the Distributive Property. <p>Obj. We are learning to: I can use the Distributive Property to multiply</p> <p>Suggested Formative Assessment(s):</p> <ul style="list-style-type: none"> • Big Ideas Created Assessment: Course Benchmark # 1 (for use after Chapter 3) • Journal Writing • Standardized Test Practice (NJSLA released items) • Teacher Created Assessments/Exit Tickets Big Ideas 	<p>Activities:</p> <p>-Whole Group Lesson</p> <p>-Exit Tickets (4th grade shared folder Math already created or create your own online via Big Ideas online platform)</p> <p>-See Strategies for Differentiating Instruction to utilize during Math Centers</p> <p>-See Resources by Chapter for Daily Skills & Vocab, Prerequisite Skills, Extra Practice, Reteach, Enrich and Extend Activities</p> <p>-Homework by lessons may be assigned via the workbook or through the Big Ideas online platform</p> <p>-iReady for 40 minutes/week</p>

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		<ul style="list-style-type: none"> • Big Ideas Chapter Assessment Form A • Big Ideas Created Assessment: Pre-Course Test (administer beginning of the year prior to instruction) 	Materials <ul style="list-style-type: none"> • Weekly Calendar • Hands On Manipulatives • Visual Vocabulary Cards • Exit Tickets • Common Core Quick Check (Printable) • Problem of the Day (Printable) • Foldables • Reflex Math • Big Ideas Workbook Volume 1 • Big Ideas Online digital platform • iReady platform 40 minutes/week with individual paths for each student
Big Ideas Chapter 3 (16 days total) LESSON 5	4.NBT.B.5 Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.	Learning Goals: <ul style="list-style-type: none"> • Use an area model to multiply. • Use expanded form and the Distributive Property to find a product. Obj. We are learning to: I can use expanded form and the Distributive Property to multiply. Suggested Formative Assessment(s): <ul style="list-style-type: none"> • Big Ideas Created Assessment: Course Benchmark # 1 (for use after Chapter 3) • Journal Writing • Standardized Test Practice (NJSLA released items) • Teacher Created Assessments/Exit Tickets Big Ideas • Big Ideas Chapter Assessment Form A • Big Ideas Created Assessment: Pre-Course Test (administer beginning of the year prior to instruction) 	Activities: <ul style="list-style-type: none"> -Whole Group Lesson -Exit Tickets (4th grade shared folder Math already created or create your own online via Big Ideas online platform) -See Strategies for Differentiating Instruction to utilize during Math Centers -See Resources by Chapter for Daily Skills & Vocab, Prerequisite Skills, Extra Practice, Reteach, Enrich and Extend Activities -Homework by lessons may be assigned via the workbook or through the Big Ideas online platform -iReady for 40 minutes/week Materials <ul style="list-style-type: none"> • Weekly Calendar • Hands On Manipulatives • Visual Vocabulary Cards • Exit Tickets

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			<ul style="list-style-type: none"> • Common Core Quick Check (Printable) • Problem of the Day (Printable) • Foldables • Reflex Math • Big Ideas Workbook Volume 1 • Big Ideas Online digital platform • iReady platform 40 minutes/week with individual paths for each student
<p>Big Ideas Chapter 3 (16 days total)</p> <p>LESSON 6</p>	<p>4.NBT.A Generalize place value understanding for multi-digit whole numbers.</p> <p>4.NBT.B.5 Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.</p>	<p>Learning Goals:</p> <ul style="list-style-type: none"> • Use place value to tell the value of each digit in a number. • Write the partial products for a multiplication problem. • Add the partial products to find a product. <p>Obj. We are learning to: I can use place value and partial products to multiply.</p> <p>Suggested Formative Assessment(s):</p> <ul style="list-style-type: none"> • Big Ideas Created Assessment: Course Benchmark # 1 (for use after Chapter 3) • Journal Writing • Standardized Test Practice (NJSLA released items) • Teacher Created Assessments/Exit Tickets Big Ideas • Big Ideas Chapter Assessment Form A • Big Ideas Created Assessment: Pre-Course Test (administer beginning of the year prior to instruction) 	<p>Activities:</p> <ul style="list-style-type: none"> -Whole Group Lesson -Exit Tickets (4th grade shared folder Math already created or create your own online via Big Ideas online platform) -See Strategies for Differentiating Instruction to utilize during Math Centers -See Resources by Chapter for Daily Skills & Vocab, Prerequisite Skills, Extra Practice, Reteach, Enrich and Extend Activities -Homework by lessons may be assigned via the workbook or through the Big Ideas online platform -iReady for 40 minutes/week <p>Materials</p> <ul style="list-style-type: none"> • Weekly Calendar • Hands On Manipulatives • Visual Vocabulary Cards • Exit Tickets • Common Core Quick Check (Printable) • Problem of the Day (Printable) • Foldables • Reflex Math • Big Ideas Workbook Volume 1 • Big Ideas Online digital platform • iReady platform 40 minutes/week with individual paths for each student

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<p>Big Ideas Chapter 3 (16 days total)</p> <p>LESSON 7</p>	<p>4.NBT.B.5 Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.</p>	<p>Learning Goals:</p> <ul style="list-style-type: none"> • Multiply to find the partial products. • Show 10 ones regrouped as 1 ten. • Find the product. <p>Obj. We are learning to: I can multiply two-digit numbers by one-digit numbers.</p> <p>Suggested Formative Assessment(s):</p> <ul style="list-style-type: none"> • Big Ideas Created Assessment: Course Benchmark # 1 (for use after Chapter 3) • Journal Writing • Standardized Test Practice (NJSLA released items) • Teacher Created Assessments/Exit Tickets Big Ideas • Big Ideas Chapter Assessment Form A • Big Ideas Created Assessment: Pre-Course Test (administer beginning of the year prior to instruction) 	<p>Activities:</p> <ul style="list-style-type: none"> -Whole Group Lesson -Exit Tickets (4th grade shared folder Math already created or create your own online via Big Ideas online platform) -See Strategies for Differentiating Instruction to utilize during Math Centers -See Resources by Chapter for Daily Skills & Vocab, Prerequisite Skills, Extra Practice, Reteach, Enrich and Extend Activities -Homework by lessons may be assigned via the workbook or through the Big Ideas online platform -iReady for 40 minutes/week <p>Materials</p> <ul style="list-style-type: none"> • Weekly Calendar • Hands On Manipulatives • Visual Vocabulary Cards • Exit Tickets • Common Core Quick Check (Printable) • Problem of the Day (Printable) • Foldables • Reflex Math • Big Ideas Workbook Volume 1 • Big Ideas Online digital platform • iReady platform 40 minutes/week with individual paths for each student

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<p>Big Ideas Chapter 3 (16 days total)</p> <p>LESSON 8</p>	<p>4.NBT.B.5 Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.</p>	<p>Learning Goals:</p> <ul style="list-style-type: none"> • Multiply to find the partial products. • Show how to regroup more than 10 tens. • Find the product. <p>Obj. We are learning to: I can multiply multi-digit numbers by one-digit numbers.</p> <p>Suggested Formative Assessment(s):</p> <ul style="list-style-type: none"> • Big Ideas Created Assessment: Course Benchmark # 1 (for use after Chapter 3) • Journal Writing • Standardized Test Practice (NJSLA released items) • Teacher Created Assessments/Exit Tickets Big Ideas • Big Ideas Chapter Assessment Form A • Big Ideas Created Assessment: Pre-Course Test (administer beginning of the year prior to instruction) 	<p>Activities:</p> <ul style="list-style-type: none"> -Whole Group Lesson -Exit Tickets (4th grade shared folder Math already created or create your own online via Big Ideas online platform) -See Strategies for Differentiating Instruction to utilize during Math Centers -See Resources by Chapter for Daily Skills & Vocab, Prerequisite Skills, Extra Practice, Reteach, Enrich and Extend Activities -Homework by lessons may be assigned via the workbook or through the Big Ideas online platform -iReady for 40 minutes/week <p>Materials</p> <ul style="list-style-type: none"> • Weekly Calendar • Hands On Manipulatives • Visual Vocabulary Cards • Exit Tickets • Common Core Quick Check (Printable) • Problem of the Day (Printable) • Foldables • Reflex Math • Big Ideas Workbook Volume 1 • Big Ideas Online digital platform • iReady platform 40 minutes/week with individual paths for each student
<p>Big Ideas Chapter 3 (16 days total)</p>	<p>4.NBT.B.5 Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit</p>	<p>Learning Goals:</p> <ul style="list-style-type: none"> • Use the Commutative Property of Multiplication to multiply. • Use the Associative Property of Multiplication to multiply. • Use the Distributive Property to multiply. 	<p>Activities:</p> <ul style="list-style-type: none"> -Whole Group Lesson -Exit Tickets (4th grade shared folder Math already created or create your own online via Big Ideas online platform)

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LESSON 9	numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.	<p>Obj. We are learning to: I can use properties to multiply.</p> <p>Suggested Formative Assessment(s):</p> <ul style="list-style-type: none"> • Big Ideas Created Assessment: Course Benchmark # 1 (for use after Chapter 3) • Journal Writing • Standardized Test Practice (NJSLA released items) • Teacher Created Assessments/Exit Tickets Big Ideas • Big Ideas Chapter Assessment Form A • Big Ideas Created Assessment: Pre-Course Test (administer beginning of the year prior to instruction) 	<p>-See Strategies for Differentiating Instruction to utilize during Math Centers</p> <p>-See Resources by Chapter for Daily Skills & Vocab, Prerequisite Skills, Extra Practice, Reteach, Enrich and Extend Activities</p> <p>-Homework by lessons may be assigned via the workbook or through the Big Ideas online platform</p> <p>-iReady for 40 minutes/week</p> <p>Materials</p> <ul style="list-style-type: none"> • Weekly Calendar • Hands On Manipulatives • Visual Vocabulary Cards • Exit Tickets • Common Core Quick Check (Printable) • Problem of the Day (Printable) • Foldables • Reflex Math • Big Ideas Workbook Volume 1 • Big Ideas Online digital platform • iReady platform 40 minutes/week with individual paths for each student
Big Ideas Chapter 3 (16 days total) LESSON 10	4.OA.A.3 Solve multistep word problems posed with whole numbers and having whole-number answers using the four operations, including problems in which remainders must be interpreted. Represent these problems using equations with a letter standing for the unknown	<p>Learning Goals:</p> <ul style="list-style-type: none"> • Understand a problem. • Make a plan to solve using letters to represent the unknown numbers. • Solve a problem using an equation. <p>Obj. We are learning to: I can solve multi-step word problems involving multiplication</p> <p>Suggested Formative Assessment(s):</p>	<p>Activities:</p> <p>-Whole Group Lesson</p> <p>-Exit Tickets (4th grade shared folder Math already created or create your own online via Big Ideas online platform)</p> <p>-See Strategies for Differentiating Instruction to utilize during Math Centers</p> <p>-See Resources by Chapter for Daily Skills & Vocab, Prerequisite Skills, Extra Practice, Reteach, Enrich and Extend Activities</p>

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	<p>quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding.</p> <p>4.NBT.B.5 Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.</p>	<ul style="list-style-type: none"> • Big Ideas Created Assessment: Course Benchmark # 1 (for use after Chapter 3) • Journal Writing • Standardized Test Practice (NJSLA released items) • Teacher Created Assessments/Exit Tickets Big Ideas • Big Ideas Chapter Assessment Form A • Big Ideas Created Assessment: Pre-Course Test (administer beginning of the year prior to instruction) <p>Review and Chapter Assessment</p>	<p>-Homework by lessons may be assigned via the workbook or through the Big Ideas online platform</p> <p>-iReady for 40 minutes/week</p> <p>Materials</p> <ul style="list-style-type: none"> • Weekly Calendar • Hands On Manipulatives • Visual Vocabulary Cards • Exit Tickets • Common Core Quick Check (Printable) • Problem of the Day (Printable) • Foldables • Reflex Math • Big Ideas Workbook Volume 1 • Big Ideas Online digital platform • iReady platform 40 minutes/week with individual paths for each student
<p>Big Ideas Chapter 4 (14 days total)</p> <p>LESSON 1</p>	<p>4.NBT.A.1 Recognize that in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right.</p> <p>4.NBT.B.5 Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area</p>	<p>Learning Goals:</p> <ul style="list-style-type: none"> • Use place value to multiply by multiples of ten. • Use the Associative Property to multiply by multiples of ten. • Describe a pattern with zeros when multiplying by multiples of ten. <p>Obj. We are learning to:</p> <p>I can use place value and properties to multiply by multiples of ten.</p> <p>Suggested Formative Assessment(s):</p> <ul style="list-style-type: none"> • Big Ideas Created Assessment: Course Benchmark # 1 (for use after Chapter 3) • Journal Writing • Standardized Test Practice (NJSLA released items) • Teacher Created Assessments/Exit Tickets Big Ideas • Big Ideas Chapter Assessment Form A • Big Ideas Created Assessment: Pre-Course Test (administer beginning of the year prior to instruction) 	<p>Activities:</p> <p>-Chapter Opener</p> <p>-Whole Group Lesson</p> <p>-Exit Tickets (4th grade shared folder Math already created or create your own online via Big Ideas online platform)</p> <p>-See Strategies for Differentiating Instruction to utilize during Math Centers</p> <p>-See Resources by Chapter for Daily Skills & Vocab, Prerequisite Skills, Extra Practice, Reteach, Enrich and Extend Activities</p> <p>-Homework by lessons may be assigned via the workbook or through the Big Ideas online platform</p> <p>-iReady for 40 minutes/week</p> <p>Materials</p> <ul style="list-style-type: none"> • Weekly Calendar • Hands On Manipulatives • Visual Vocabulary Cards

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	models.		<ul style="list-style-type: none"> • Exit Tickets • Common Core Quick Check (Printable) • Problem of the Day (Printable) • Foldables • Reflex Math • Big Ideas Workbook Volume 1 • Big Ideas Online digital platform • iReady platform 40 minutes/week with individual paths for each student
<p>Big Ideas Chapter 4 (14 days total)</p> <p>LESSON 2</p>	<p>4.NBT.A.3</p> <p>Use place value understanding to round multi-digit whole numbers to any place.</p> <p>4.NBT.B.5 Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.</p>	<p>Learning Goals:</p> <ul style="list-style-type: none"> • Use rounding to estimate a product. • Use compatible numbers to estimate a product. • Explain different ways to estimate a product. <p>Obj. We are learning to: I can use rounding and compatible numbers to estimate products.</p> <p>Suggested Formative Assessment(s):</p> <ul style="list-style-type: none"> • Big Ideas Created Assessment: Course Benchmark # 1 (for use after Chapter 3) • Journal Writing • Standardized Test Practice (NJSLA released items) • Teacher Created Assessments/Exit Tickets Big Ideas • Big Ideas Chapter Assessment Form A • Big Ideas Created Assessment: Pre-Course Test (administer beginning of the year prior to instruction) 	<p>Activities:</p> <ul style="list-style-type: none"> -Whole Group Lesson -Exit Tickets (4th grade shared folder Math already created or create your own online via Big Ideas online platform) -See Strategies for Differentiating Instruction to utilize during Math Centers -See Resources by Chapter for Daily Skills & Vocab, Prerequisite Skills, Extra Practice, Reteach, Enrich and Extend Activities -Homework by lessons may be assigned via the workbook or through the Big Ideas online platform -iReady for 40 minutes/week <p>Materials</p> <ul style="list-style-type: none"> • Weekly Calendar • Hands On Manipulatives • Visual Vocabulary Cards • Exit Tickets • Common Core Quick Check (Printable) • Problem of the Day (Printable) • Foldables

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			<ul style="list-style-type: none"> • Reflex Math • Big Ideas Workbook Volume 1 • Big Ideas Online digital platform • iReady platform 40 minutes/week with individual paths for each student
<p>Big Ideas Chapter 4 (14 days total)</p> <p>LESSON 3</p>	<p>4.NBT.B.5 Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.</p>	<p>Learning Goals:</p> <ul style="list-style-type: none"> • Use an area model to break apart the factors of a product. • Relate an area model to partial products. • Add partial products to find a product. <p>Obj. We are learning to:</p> <p>I can use area models and partial products to multiply.</p> <p>Suggested Formative Assessment(s):</p> <ul style="list-style-type: none"> • Big Ideas Created Assessment: Course Benchmark # 1 (for use after Chapter 3) • Journal Writing • Standardized Test Practice (NJSLA released items) • Teacher Created Assessments/Exit Tickets Big Ideas • Big Ideas Chapter Assessment Form A • Big Ideas Created Assessment: Pre-Course Test (administer beginning of the year prior to instruction) 	<p>Activities:</p> <ul style="list-style-type: none"> -Whole Group Lesson -Exit Tickets (4th grade shared folder Math already created or create your own online via Big Ideas online platform) -See Strategies for Differentiating Instruction to utilize during Math Centers -See Resources by Chapter for Daily Skills & Vocab, Prerequisite Skills, Extra Practice, Reteach, Enrich and Extend Activities -Homework by lessons may be assigned via the workbook or through the Big Ideas online platform -iReady for 40 minutes/week <p>Materials</p> <ul style="list-style-type: none"> • Weekly Calendar • Hands On Manipulatives • Visual Vocabulary Cards • Exit Tickets • Common Core Quick Check (Printable) • Problem of the Day (Printable) • Foldables • Reflex Math • Big Ideas Workbook Volume 1 • Big Ideas Online digital platform • iReady platform 40 minutes/week with individual paths for each student

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<p>Big Ideas Chapter 4 (14 days total)</p> <p>LESSON 4</p>	<p>4.NBT.B.5 Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.</p>	<p>Learning Goals:</p> <ul style="list-style-type: none"> • Use an area model and partial products to multiply. • Use an area model and the Distributive Property to multiply. <p>Obj. We are learning to: I can use area models and the Distributive Property to multiply.</p> <p>Suggested Formative Assessment(s):</p> <ul style="list-style-type: none"> • Big Ideas Created Assessment: Course Benchmark # 1 (for use after Chapter 3) • Journal Writing • Standardized Test Practice (NJSLA released items) • Teacher Created Assessments/Exit Tickets Big Ideas • Big Ideas Chapter Assessment Form A • Big Ideas Created Assessment: Pre-Course Test (administer beginning of the year prior to instruction) 	<p>Activities:</p> <ul style="list-style-type: none"> -Whole Group Lesson -Exit Tickets (4th grade shared folder Math already created or create your own online via Big Ideas online platform) -See Strategies for Differentiating Instruction to utilize during Math Centers -See Resources by Chapter for Daily Skills & Vocab, Prerequisite Skills, Extra Practice, Reteach, Enrich and Extend Activities -Homework by lessons may be assigned via the workbook or through the Big Ideas online platform -iReady for 40 minutes/week <p>Materials</p> <ul style="list-style-type: none"> • Weekly Calendar • Hands On Manipulatives • Visual Vocabulary Cards • Exit Tickets • Common Core Quick Check (Printable) • Problem of the Day (Printable) • Foldables • Reflex Math • Big Ideas Workbook Volume 1 • Big Ideas Online digital platform • iReady platform 40 minutes/week with individual paths for each student

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<p>Big Ideas Chapter 4 (14 days total)</p> <p>LESSON 5</p>	<p>4.NBT.A Generalize place value understanding for multi-digit whole numbers.</p> <p>4.NBT.B.5 Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.</p>	<p>Learning Goals:</p> <ul style="list-style-type: none"> ● Use place value to tell the value of each digit in a number. ● Write the partial products for a multiplication problem. ● Add the partial products to find a product. <p>Obj. We are learning to: I can use place value and partial products to multiply</p> <p>Suggested Formative Assessment(s):</p> <ul style="list-style-type: none"> • Big Ideas Created Assessment: Course Benchmark # 1 (for use after Chapter 3) • Journal Writing • Standardized Test Practice (NJSLA released items) • Teacher Created Assessments/Exit Tickets Big Ideas • Big Ideas Chapter Assessment Form A • Big Ideas Created Assessment: Pre-Course Test (administer beginning of the year prior to instruction) 	<p>Activities:</p> <ul style="list-style-type: none"> -Whole Group Lesson -Exit Tickets (4th grade shared folder Math already created or create your own online via Big Ideas online platform) -See Strategies for Differentiating Instruction to utilize during Math Centers -See Resources by Chapter for Daily Skills & Vocab, Prerequisite Skills, Extra Practice, Reteach, Enrich and Extend Activities -Homework by lessons may be assigned via the workbook or through the Big Ideas online platform -iReady for 40 minutes/week <p>Materials</p> <ul style="list-style-type: none"> • Weekly Calendar • Hands On Manipulatives • Visual Vocabulary Cards • Exit Tickets • Common Core Quick Check (Printable) • Problem of the Day (Printable) • Foldables • Reflex Math • Big Ideas Workbook Volume 1 • Big Ideas Online digital platform • iReady platform 40 minutes/week with individual paths for each student
<p>Big Ideas Chapter 4 (14 days total)</p> <p>LESSON 6</p>	<p>4.NBT.B.5 Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations,</p>	<p>Learning Goals:</p> <ul style="list-style-type: none"> ● Multiply to find partial products. ● Show how to regroup ones, tens, and hundreds. ● Add partial products to find a product. <p>Obj. We are learning to: I can multiply two-digit numbers.</p> <p>Suggested Formative Assessment(s):</p>	<p>Activities:</p> <ul style="list-style-type: none"> -Whole Group Lesson -Exit Tickets (4th grade shared folder Math already created or create your own online via Big Ideas online platform) -See Strategies for Differentiating Instruction to utilize during Math Centers -See Resources by Chapter for Daily Skills & Vocab, Prerequisite Skills, Extra Practice, Reteach, Enrich and

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	rectangular arrays, and/or area models.	<ul style="list-style-type: none"> • Big Ideas Created Assessment: Course Benchmark # 1 (for use after Chapter 3) • Journal Writing • Standardized Test Practice (NJSLA released items) • Teacher Created Assessments/Exit Tickets Big Ideas • Big Ideas Chapter Assessment Form A • Big Ideas Created Assessment: Pre-Course Test (administer beginning of the year prior to instruction) 	<p>Extend Activities</p> <ul style="list-style-type: none"> -Homework by lessons may be assigned via the workbook or through the Big Ideas online platform -iReady for 40 minutes/week <p>Materials</p> <ul style="list-style-type: none"> • Weekly Calendar • Hands On Manipulatives • Visual Vocabulary Cards • Exit Tickets • Common Core Quick Check (Printable) • Problem of the Day (Printable) • Foldables • Reflex Math • Big Ideas Workbook Volume 1 • Big Ideas Online digital platform • iReady platform 40 minutes/week with individual paths for each student
<p>Big Ideas Chapter 4 (14 days total)</p> <p>LESSON 7</p>	<p>4.NBT.B.5 Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.</p>	<p>Learning Goals:</p> <ul style="list-style-type: none"> • Choose a strategy to multiply. • Multiply two-digit numbers. • Explain the strategy I used to multiply. <p>Obj. We are learning to: I can use strategies to multiply two-digit numbers.</p> <p>Suggested Formative Assessment(s):</p> <ul style="list-style-type: none"> • Big Ideas Created Assessment: Course Benchmark # 1 (for use after Chapter 3) • Journal Writing • Standardized Test Practice (NJSLA released items) 	<p>Activities:</p> <ul style="list-style-type: none"> -Whole Group Lesson -Exit Tickets (4th grade shared folder Math already created or create your own online via Big Ideas online platform) -See Strategies for Differentiating Instruction to utilize during Math Centers -See Resources by Chapter for Daily Skills & Vocab, Prerequisite Skills, Extra Practice, Reteach, Enrich and Extend Activities -Homework by lessons may be assigned via the workbook or through the Big Ideas online platform -iReady for 40 minutes/week

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		<ul style="list-style-type: none"> • Teacher Created Assessments/Exit Tickets Big Ideas • Big Ideas Chapter Assessment Form A • Big Ideas Created Assessment: Pre-Course Test (administer beginning of the year prior to instruction) 	Materials <ul style="list-style-type: none"> • Weekly Calendar • Hands On Manipulatives • Visual Vocabulary Cards • Exit Tickets • Common Core Quick Check (Printable) • Problem of the Day (Printable) • Foldables • Reflex Math • Big Ideas Workbook Volume 1 • Big Ideas Online digital platform • iReady platform 40 minutes/week with individual paths for each student
Big Ideas Chapter 4 (14 days total) LESSON 8	4.OA.A.3 Solve multistep word problems posed with whole numbers and having whole-number answers using the four operations, including problems in which remainders must be interpreted. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding.	Learning Goals: <ul style="list-style-type: none"> • Understand a problem. • Make a plan to solve using letters to represent the unknown numbers. • Solve a problem using an equation. Obj. We are learning to: I can solve multi-step word problems involving two-digit multiplication. Suggested Formative Assessment(s): <ul style="list-style-type: none"> • Big Ideas Created Assessment: Course Benchmark # 1 (for use after Chapter 3) • Journal Writing • Standardized Test Practice (NJSLA released items) • Teacher Created Assessments/Exit Tickets Big Ideas • Big Ideas Chapter Assessment Form A • Big Ideas Created Assessment: Pre-Course Test (administer beginning of the year prior to instruction) 	Activities: <ul style="list-style-type: none"> -Whole Group Lesson -Exit Tickets (4th grade shared folder Math already created or create your own online via Big Ideas online platform) -See Strategies for Differentiating Instruction to utilize during Math Centers -See Resources by Chapter for Daily Skills & Vocab, Prerequisite Skills, Extra Practice, Reteach, Enrich and Extend Activities -Homework by lessons may be assigned via the workbook or through the Big Ideas online platform -iReady for 40 minutes/week Materials <ul style="list-style-type: none"> • Weekly Calendar • Hands On Manipulatives • Visual Vocabulary Cards • Exit Tickets

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	<p>4.NBT.B.5 Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.</p>	<p>Review and Chapter Assessment</p>	<ul style="list-style-type: none"> • Common Core Quick Check (Printable) • Problem of the Day (Printable) • Foldables • Reflex Math • Big Ideas Workbook Volume 1 • Big Ideas Online digital platform • iReady platform 40 minutes/week with individual paths for each student
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Technology Integration	Interdisciplinary Connections	21st Century Life and Career Skills
<ul style="list-style-type: none"> • Cool Math Games http://www.coolmath-games.com/ • Prodigy https://www.prodigygame.com/ • Fact Freaks https://www.factfreaks.com/ • LearnZillion https://learnzillion.com/ • Math Playground http://www.mathplayground.com/grade_4_games.html • iReady Learning platform Students can access through their Clever portal. • TECH.8.1.5.A.1 Select and use the appropriate 	<ul style="list-style-type: none"> • W.4.7 Math/Social Studies: Provide examples on a famous mathematician • 4.NBT.2 Math/STEAM: Students will integrate science, technology, engineering, and/or art with math to develop a game that involves priority standards addressed in Unit #1 • 4.OA.3 Math/Social Studies/Reading: Leveled Readers • 4.M.A.2 Math/Science: Climate Change problem solvin--use the four operations to solve word problems related to the use of natural resources and involving distance, time, liquid volume, and/or the mass of objects. • 4.OA.3 Math/Music/Reading: Big Ideas Math Musicals • 4.OA.3 Math/Science/Reading: Big Ideas STEAM Videos & Performance Tasks 	<ul style="list-style-type: none"> • CRP.K-12.CRP2 Apply appropriate academic and technical skills. • CRP.K-12.CRP3 Attend to personal health and financial well-being. • CRP.K-12.CRP8 Utilize critical thinking to make sense of problems and persevere in solving them. • CRP.K-12.CRP11 Use technology to enhance productivity. • PFL.9.1.4.B Money Management • PFL.9.1.4.E Becoming a Critical Consumer

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<p>digital tools and resources to accomplish a variety of tasks including solving problems.</p> <ul style="list-style-type: none">• TECH.8.1.5.A.3 Use a graphic organizer to organize information about a problem or issue.• TECH.8.1.5.F.1 Apply digital tools to collect, organize, and analyze data that support a scientific finding.• TECH.8.2.5.D.3 Follow step by step directions to assemble a product or solve a problem.• TECH.8.2.5.E.4 Use appropriate terms in conversation (e.g., algorithm, program, debug, loop, events, procedures, memory, storage, processing, software, coding, procedure, and data).	<ul style="list-style-type: none">• 4.OA.A.3 Math/Science: Climate Change problem solving--use the four operations to solve multi-step word problems posed with whole numbers, having whole-number answers and that are based on energy, fuels, and natural resources.	
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[Link to Additional Components including Cross Curricular Connections, Accommodations, Assessments, Etc](#)

[ELA Enduring Understanding Statements](#)