

Lower Township Elementary Schools
Mathematics
4th Grade

Adopted by the LTES Board of Education 1/24/24

Interdisciplinary Connections

English Language Arts:

SL.4.1. Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 4 topics and texts, building on others' ideas and expressing their own clearly.

Activity: Students will be able to solve place value problems by comparing whole numbers. Students will be given small scenarios where it is describing a situation. They will then have to decide which whole number in the scenario is larger. Before they decide, students will complete the routine of Try-it, Discuss-it, Connect-it. In this routine students will give the problem a go on their own. Once they think they have solved it they will then discuss with peers and the teacher how they solved the problem. Once that is done, the teacher will then connect their learning to their background knowledge.

Integration of Technology

Technology Literacy:

9.4.5.TL.4: Compare and contrast artifacts produced individually to those developed collaboratively.

9.4.5.TL.5: Collaborate digitally to produce an artifact.

21st Century Skills

Life Literacies and Key Skills

9.4.5.CI.3: Participate in a brainstorming session with individuals with diverse perspectives to expand one's thinking about a topic of curiosity

9.4.5.IML.3: Represent the same data in multiple visual formats in order to tell a story about the data.

9.4.5.DC.4: Model safe, legal, and ethical behavior when using online or offline technology.

Career Education

Career Awareness, Exploration, and Preparation:

9.2.5.CAP.4 Explain the reasons why some jobs and careers require specific training, skills, and certification (e.g., life guards, child care, medicine, education) and examples of these requirements.

Activity: While learning about division in whole numbers students will complete a T-chart. The first column of the chart will list a real-life activity that uses division. The second corresponding column will list a profession that uses this activity. For example, you would need to divide

Lower Township Elementary Schools Mathematics 4th Grade

if you were taking a large recipe and splitting it in half for less people. A chef would use division in this manor.

SUBJECT: Math
 GRADE LEVEL: 4
 UNIT TITLE: Unit 1 Number and Quantity: Numbers and Operations- Base Ten Chapters 1-5
 LENGTH OF STUDY: 57 Days
 START OF UNIT: 9/9/23
 END OF UNIT: 12/14/23

Unit Learning Goals

- Generalize place value understanding for multi-digit whole numbers.
- Use place value and properties of operations to perform multi-digit arithmetic.

Materials

- Big Ideas- teacher manuals, student edition, and online platform
- Whiteboards/Dry erase markers
- Math manipulatives
- IXL

Daily Targets	Standards	Instructional Activities
Lesson 1.1 Understand Place Value	4.NBT.A.1 4.NBT.A.2	Complete the following <ul style="list-style-type: none"> ● Explore and Grow ● Think and Grow ● Show and Grow ● Apply and Grow Practice ● Think and Grow Modeling Real Life ● Connect and Extend Learning:
Lesson 1.2 Read and Write Multi-Digit Numbers	4.NBT.A.2	
Lesson 1.3 Compare Multi-Digit Numbers	4.NBT.A.2	
Lesson 1.4 Round Multi-Digit Numbers	4.NBT.A.3	

**Lower Township Elementary Schools
Mathematics
4th Grade**

Lesson 2.1 Estimate Sums and Differences	4.NBT.B.4	Homework and Practice
Lesson 2.2 Add Multi-Digit Numbers	4.NBT.B.4	
Lesson 2.3 Subtract Multi-Digit Numbers	4.NBT.B.4	
Lesson 2.4 Use Strategies to Add and Subtract	4.NBT.B.4	
Lesson 2.5 Problem Solving: Addition and subtraction	4.NBT.B.4, 4.OA.A.3	
Lesson 3.1 Understand Multiplicative Comparisons	4.OA.A.2, 4.OA.A.1	
Lesson 3.2 Multiply Tens, Hundreds, and Thousands	4.NBT.A.1	
Lesson 3.3 Estimate Products by Rounding	4.NBT.B.5, 4.NBT.A.3	
Lesson 3.4 Use the Distributive Property to Multiply	4.NBT.B.5	
Lesson 3.5 Use Expanded Form to Multiply	4.NBT.B.5	
Lesson 3.6 Use Partial Products to Multiply	4.NBT.B.5	
Lesson 3.7 Multiply Two-Digit Numbers by One-Digit Numbers	4.NBT.B.5	
Lesson 3.8 Multiply Three- and Four-Digit Numbers by One-Digit Numbers	4.NBT.B.5	
Lesson 3.9 Use Properties to Multiply	4.NBT.B.5	
Lesson 3.10 Problem Solving Multiplication	4.NBT.B.5, 4.OA.A.3	
Lesson 4.1 Multiply by Tens	4.NBT.B.5	
Lesson 4.2 Estimate Products	4.NBT.B.5, 4.NBT.A.3	
Lesson 4.3 Use Area Models to Multiply	4.NBT.B.5	

**Lower Township Elementary Schools
Mathematics
4th Grade**

Two-Digit Numbers		
Lesson 4.4 Use the Distributive Property to Multiply Two-Digit Numbers	4.NBT.B.5	
Lesson 4.5 Use Partial Products to Multiply Two-Digit Numbers	4.NBT.B.5	
Lesson 4.6 Multiply Two-Digit Numbers	4.NBT.B.5	
Lesson 4.7 Practice Multiplication Strategies	4.NBT.B.5	
Lesson 4.8 Problem Solving: Multiplication with Two-Digit Numbers	4.NBT.B.5, 4.OA.A.3	
Lesson 5.1 Divide Tens, Hundreds, and Thousands	4.NBT.A.1	
Lesson 5.2 Estimate Quotients	4.NBT.B.6, 4.OA.B.4	
Lesson 5.3 Understand Division and Remainders	4.NBT.B.6	
Lesson 5.4 Use Partial Quotients	4.NBT.B.6	
Lesson 5.5 Use Partial Quotients	4.NBT.B.6	
Lesson 5.6 Divide Two-Digit Numbers by One-Digit Numbers	4.NBT.B.6	
Lesson 5.7 Divide Multi-Digit Numbers by One-Digit Numbers	4.NBT.B.6	
Lesson 5.8 Divide by One-Digit Numbers	4.NBT.B.6	
Lesson 5.9 Problem Solving: Division	4.NBT.B.6, 4.OA.A.3	

Accommodations and Modifications	
Special Education	<ul style="list-style-type: none"> Follow 504/IEP accommodations

Lower Township Elementary Schools
Mathematics
4th Grade

	<ul style="list-style-type: none"> ● Step by step examples ● Visual demonstration of skill or activity ● Allow for flexible grouping ● Student centered activities ● Learning Stations ● Small group & large group discussions ● Problem solving situations ● Restate, reword, clarify directions ● Provide Educational “breaks” as necessary ● Utilize visual and audio cues
Multilingual Learners	<ul style="list-style-type: none"> ● Step by step examples ● Visual demonstration of skill or activity ● Allow for flexible grouping ● Student centered activities ● Learning Stations ● Small group & large group discussions ● Problem solving situations ● Utilize visual and audio cues ● Highlight, define, or demonstrate important vocabulary ● Restate, reword, clarify directions
Students At-Risk of School Failure	<ul style="list-style-type: none"> ● Step by step examples ● Visual demonstration of skill or activity ● Allow for flexible grouping ● Student centered activities ● Learning Stations ● Small group & large group discussions ● Problem solving situations ● Utilize visual and audio cues ● Highlight, define, or demonstrate important vocabulary ● Restate, reword, clarify directions ● Chunking content into small segments ● Shorten or reduce assignment to focus on one specific skill

Lower Township Elementary Schools
Mathematics
4th Grade

Gifted and Talented	<ul style="list-style-type: none"> ● Student Choice ● Student centered activities ● Enhance skill or activity based on Individual Student Need ● Allow for flexible grouping ● Problem solving situations
Students with 504 Plans	<ul style="list-style-type: none"> ● Follow 504/IEP accommodations ● Step by step examples ● Visual demonstration of skill or activity ● Allow for flexible grouping ● Student centered activities ● Learning Stations ● Small group & large group discussions ● Problem solving situations ● Restate, reword, clarify directions ● Provide Educational “breaks” as necessary ● Utilize visual and audio cues

Assessments	
Formative	<ul style="list-style-type: none"> ● Classwork ● Homework ● IXL ● Observation ● Questioning
Summative	<ul style="list-style-type: none"> ● Chapter Tests
Benchmark	<ul style="list-style-type: none"> ● Prerequisite Skills Inventory ● Cumulative Review ● End of the Year Test
Alternative	<ul style="list-style-type: none"> ● Quiz ● Homework

Lower Township Elementary Schools
Mathematics
4th Grade

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| | <ul style="list-style-type: none">• Classwork |
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Lower Township Elementary Schools

Mathematics

4th Grade

SUBJECT: Math
 GRADE LEVEL: 4th grade
 UNIT TITLE: Unit 2: Number and Quantity: Numbers and Operations - Fractions Chapters 7-11
 LENGTH OF STUDY: 57 Days
 START OF UNIT: 1/6/2024
 END OF UNIT: 3/31/2024

Unit Learning Goals

- Extend understanding of fractions equivalence and ordering.
- Build fractions from unit fractions.
- Understand decimal notation for fractions, and compare decimal fractions.

Materials

- Big Ideas- teacher manuals, student edition, and online platform
- Whiteboards/Dry erase markers
- Math manipulatives
- IXL

Daily Targets	Standards	Instructional Activities
Lesson 7.1 Model Equivalent Fractions	4.NF.A.1	Complete the following <ul style="list-style-type: none"> ● Explore and Grow ● Think and Grow ● Show and Grow ● Apply and Grow Practice ● Think and Grow Modeling Real Life
Lesson 7.2 Generate Equivalent Fractions by Multiplying	4.NF.A.1	
Lesson 7.3 Generate Equivalent Fractions by Dividing	4.NF.A.1	
Lesson 7.4 Compare Fractions Using Benchmarks	4.NF.A.2	

**Lower Township Elementary Schools
Mathematics
4th Grade**

Lesson 7.5 Compare Fractions	4.NF.A.2	<ul style="list-style-type: none"> • Connect and Extend Learning: Homework and Practice
Lesson 8.1 Use Models to Add Fractions	4.NF.B.3a	
Lesson 8.2 Decompose Fractions	4.NF.B.3b	
Lesson 8.3 Add Fractions with Like Denominators	4.NF.B.3a, 4.NF.B.3d	
Lesson 8.4 Use Models to Subtract Fractions	4.NF.B.3a	
Lesson 8.5 Subtract Fractions with Like Denominators	4.NF.B.3a, 4.NF.B.3d	
Lesson 8.6 Model Fractions and Mixed Numbers	4.NF.B.3b	
Lesson 8.7 Add Mixed Numbers	4.NF.B.3c	
Lesson 8.8 Subtract Mixed Numbers	4.NF.B.3c	
Lesson 8.9 Problem Solving: Fractions	4.NF.B.3c, 4.NF.B.3d	
Lesson 9.1 Understand Multiples of Unit Fractions	4.NF.B.4a	
Lesson 9.2 Understand Multiples of Fractions	4.NF.B.4a, 4.NF.B.4b	
Lesson 9.3 Multiply Whole Numbers and Fractions	4.NF.B.4b	
Lesson 9.4 Multiply Whole Numbers and Mixed Numbers	4.NF.B.4c	
Lesson 9.5 Problem Solving: Fraction Operations	4.NF.B.4c	
Lesson 10.1 Understand Tenths	4.NF.C.6	
Lesson 10.2 Understand Hundredths	4.NF.C.5, 4.NF.C.6	

**Lower Township Elementary Schools
Mathematics
4th Grade**

Lesson 10.3 Fractions and Decimals	4.NF.C.5, 4.NF.C.6
Lesson 10.4 Compare Decimals	4.NF.C.7
Lesson 10.5 Add Decimal Fractions and Decimals	4.NF.C.5, 4.NF.C.6
Lesson 10.6 Fractions, Decimals, and Money	4.NF.C.6
Lesson 10.7 Operations with Money	4.MD.A.2
Lesson 11.1 Length in Metric Units	4.MD.A.1, 4.MD.A.2
Lesson 11.2 Mass and Capacity	4.MD.A.1, 4.MD.A.2
Lesson 11.3 Length in Customary Units	4.MD.A.1, 4.MD.A.2
Lesson 11.4 Weight in Customary Units	4.MD.A.1
Lesson 11.5 Capacity in Customary Units	4.MD.A.1, 4.MD.A.2
Lesson 11.6 Make and Interpret Line Plots	4.MD.A.2, 4.MD.B.4, 4.NF.B.3c
Lesson 11.7 Units of Time	4.MD.A.1, 4.MD.A.2
Lesson 11.8 Problem Solving: Elapsed Time	4.MD.A.2
Lesson 11.9 Mixed Measures	4.MD.A.1, 4.MD.A.2

Accommodations and Modifications	
Special Education	<ul style="list-style-type: none"> ● Follow 504/IEP accommodations ● Step by step examples ● Visual demonstration of skill or activity ● Allow for flexible grouping ● Student centered activities ● Learning Stations

Lower Township Elementary Schools
Mathematics
4th Grade

	<ul style="list-style-type: none"> ● Small group & large group discussions ● Problem solving situations ● Restate, reword, clarify directions ● Provide Educational “breaks” as necessary ● Utilize visual and audio cues
Multilingual Learners	<ul style="list-style-type: none"> ● Step by step examples ● Visual demonstration of skill or activity ● Allow for flexible grouping ● Student centered activities ● Learning Stations ● Small group & large group discussions ● Problem solving situations ● Utilize visual and audio cues ● Highlight, define, or demonstrate important vocabulary ● Restate, reword, clarify directions
Students At-Risk of School Failure	<ul style="list-style-type: none"> ● Step by step examples ● Visual demonstration of skill or activity ● Allow for flexible grouping ● Student centered activities ● Learning Stations ● Small group & large group discussions ● Problem solving situations ● Utilize visual and audio cues ● Highlight, define, or demonstrate important vocabulary ● Restate, reword, clarify directions ● Chunking content into small segments ● Shorten or reduce assignment to focus on one specific skill
Gifted and Talented	<ul style="list-style-type: none"> ● Student Choice ● Student centered activities ● Enhance skill or activity based on Individual Student Need ● Allow for flexible grouping

Lower Township Elementary Schools
Mathematics
4th Grade

	<ul style="list-style-type: none"> ● Problem solving situations
Students with 504 Plans	<ul style="list-style-type: none"> ● Follow 504/IEP accommodations ● Step by step examples ● Visual demonstration of skill or activity ● Allow for flexible grouping ● Student centered activities ● Learning Stations ● Small group & large group discussions ● Problem solving situations ● Restate, reword, clarify directions ● Provide Educational “breaks” as necessary ● Utilize visual and audio cues

Assessments	
Formative	<ul style="list-style-type: none"> ● Classwork ● Homework ● IXL ● Observation ● Questioning
Summative	<ul style="list-style-type: none"> ● Chapter Tests
Benchmark	<ul style="list-style-type: none"> ● Prerequisite Skills Inventory ● Cumulative Review ● End of the Year Test
Alternative	<ul style="list-style-type: none"> ● Quiz ● Homework ● Classwork

Lower Township Elementary Schools
Mathematics
4th Grade

Lower Township Elementary Schools
Mathematics
4th Grade

SUBJECT: Math
 GRADE LEVEL:
 UNIT TITLE: Unit 3: Algebra and Functions: Operations and Algebraic Thinking Chapters 2-6, 12
 LENGTH OF STUDY: 66 Days
 START OF UNIT: 10/22/23 and 4/17/24
 END OF UNIT: 1/5/24 and 4/26/24

Unit Learning Goals

- Use the four operations with whole numbers to solve problems.
- Understand factors and multiples. Generate and analyze patterns.

Materials

- Big Ideas- teacher manuals, student edition, and online platform
- Whiteboards/Dry erase markers
- Math manipulatives
- IXL

Daily Targets	Standards	Instructional Activities
Lesson 2.1 Estimate Sums and Differences	4.NBT.B.4	Complete the following <ul style="list-style-type: none"> ● Explore and Grow ● Think and Grow ● Show and Grow ● Apply and Grow Practice ● Think and Grow Modeling Real Life ● Connect and Extend Learning: Homework and Practice
Lesson 2.2 Add Multi-Digit Numbers	4.NBT.B.4	
Lesson 2.3 Subtract Multi-Digit Numbers	4.NBT.B.4	
Lesson 2.4 Use Strategies to Add and Subtract	4.NBT.B.4	
Lesson 2.5 Problem Solving: Addition and subtraction	4.NBT.B.4, 4.OA.A.3	

**Lower Township Elementary Schools
Mathematics
4th Grade**

Lesson 3.1 Understand Multiplicative Comparisons	4.OA.A.2, 4.OA.A.1	
Lesson 3.2 Multiply Tens, Hundreds, and Thousands	4.NBT.A.1	
Lesson 3.3 Estimate Products by Rounding	4.NBT.B.5, 4.NBT.A.3	
Lesson 3.4 Use the Distributive Property to Multiply	4.NBT.B.5	
Lesson 3.5 Use Expanded Form to Multiply	4.NBT.B.5	
Lesson 3.6 Use Partial Products to Multiply	4.NBT.B.5	
Lesson 3.7 Multiply Two-Digit Numbers by One-Digit Numbers	4.NBT.B.5	
Lesson 3.8 Multiply Three- and Four-Digit Numbers by One-Digit Numbers	4.NBT.B.5	
Lesson 3.9 Use Properties to Multiply	4.NBT.B.5	
Lesson 3.10 Problem Solving Multiplication	4.NBT.B.5, 4.OA.A.3	
Lesson 4.1 Multiply by Tens	4.NBT.B.5	
Lesson 4.2 Estimate Products	4.NBT.B.5, 4.NBT.A.3	
Lesson 4.3 Use Area Models to Multiply Two-Digit Numbers	4.NBT.B.5	
Lesson 4.4 Use the Distributive Property to Multiply Two-Digit Numbers	4.NBT.B.5	
Lesson 4.5 Use Partial Products to Multiply Two-Digit Numbers	4.NBT.B.5	
Lesson 4.6 Multiply Two-Digit Numbers	4.NBT.B.5	
Lesson 4.7 Practice Multiplication Strategies	4.NBT.B.5	

**Lower Township Elementary Schools
Mathematics
4th Grade**

Lesson 4.8 Problem Solving: Multiplication with Two-Digit Numbers	4.NBT.B.5, 4.OA.A.3
Lesson 5.1 Divide Tens, Hundreds, and Thousands	4.NBT.A.1
Lesson 5.2 Estimate Quotients	4.NBT.B.6, 4.OA.B.4
Lesson 5.3 Understand Division and Remainders	4.NBT.B.6
Lesson 5.4 Use Partial Quotients	4.NBT.B.6
Lesson 5.5 Use Partial Quotients	4.NBT.B.6
Lesson 5.6 Divide Two-Digit Numbers by One-Digit Numbers	4.NBT.B.6
Lesson 5.7 Divide Multi-Digit Numbers by One-Digit Numbers	4.NBT.B.6
Lesson 5.8 Divide by One-Digit Numbers	4.NBT.B.6
Lesson 5.9 Problem Solving: Division	4.NBT.B.6, 4.OA.A.3
Lesson 6.1 Understanding Factors	4.OA.B.4
Lesson 6.2 Factors and Divisibility	4.OA.B.4
Lesson 6.3 Relate Factors and Multiples	4.OA.B.4
Lesson 6.4 Identify Prime and Composite Numbers	4.OA.B.4
Lesson 6.5 Number Patterns	4.OA.C.5, 4.OA.B.4
Lesson 6.6 Shape Patterns	4.OA.C.5
Lesson 12.1 Perimeter Formula for a Rectangle	4.MD.A.3, 4.OA.A.2
Lesson 12.2 Area Formula for a Rectangle	4.MD.A.3, 4.OA.A.2

Lower Township Elementary Schools
Mathematics
4th Grade

Lesson 12.3 Find Unknown Measures	4.MD.A.3, 4.OA.A.2	
Lesson 12.4 Problem Solving: Perimeter and Area	4.MD.A.3, 4.OA.A.2, 4.OA.A.3	

Accommodations and Modifications	
Special Education	<ul style="list-style-type: none"> ● Follow 504/IEP accommodations ● Step by step examples ● Visual demonstration of skill or activity ● Allow for flexible grouping ● Student centered activities ● Learning Stations ● Small group & large group discussions ● Problem solving situations ● Restate, reword, clarify directions ● Provide Educational “breaks” as necessary ● Utilize visual and audio cues
Multilingual Learners	<ul style="list-style-type: none"> ● Step by step examples ● Visual demonstration of skill or activity ● Allow for flexible grouping ● Student centered activities ● Learning Stations ● Small group & large group discussions ● Problem solving situations ● Utilize visual and audio cues ● Highlight, define, or demonstrate important vocabulary ● Restate, reword, clarify directions
Students At-Risk of School Failure	<ul style="list-style-type: none"> ● Step by step examples ● Visual demonstration of skill or activity ● Allow for flexible grouping ● Student centered activities

Lower Township Elementary Schools
Mathematics
4th Grade

	<ul style="list-style-type: none"> ● Learning Stations ● Small group & large group discussions ● Problem solving situations ● Utilize visual and audio cues ● Highlight, define, or demonstrate important vocabulary ● Restate, reword, clarify directions ● Chunking content into small segments ● Shorten or reduce assignment to focus on one specific skill
Gifted and Talented	<ul style="list-style-type: none"> ● Student Choice ● Student centered activities ● Enhance skill or activity based on Individual Student Need ● Allow for flexible grouping ● Problem solving situations
Students with 504 Plans	<ul style="list-style-type: none"> ● Follow 504/IEP accommodations ● Step by step examples ● Visual demonstration of skill or activity ● Allow for flexible grouping ● Student centered activities ● Learning Stations ● Small group & large group discussions ● Problem solving situations ● Restate, reword, clarify directions ● Provide Educational “breaks” as necessary ● Utilize visual and audio cues

Assessments	
Formative	<ul style="list-style-type: none"> ● Classwork ● Homework ● IXL ● Observation

Lower Township Elementary Schools
Mathematics
4th Grade

	<ul style="list-style-type: none">• Questioning
Summative	<ul style="list-style-type: none">• Chapter Tests
Benchmark	<ul style="list-style-type: none">• Prerequisite Skills Inventory• Cumulative Review• End of the Year Test
Alternative	<ul style="list-style-type: none">• Quiz• Homework• Classwork

Lower Township Elementary Schools
Mathematics
4th Grade

SUBJECT: Math
 GRADE LEVEL:
 UNIT TITLE: Unit 4: Geometry Chapters 13-14
 LENGTH OF STUDY: 21 Days
 START OF UNIT: 4/17/24
 END OF UNIT: 5/26/24

Unit Learning Goals

- Draw and identify lines and angles, and classify shapes by properties of their lines and angles.

Materials

- Big Ideas- teacher manuals, student edition, and online platform
- Whiteboards/Dry erase markers
- Math manipulatives
- IXL

Daily Targets	Standards	Instructional Activities
Lesson 13.1 Points, Lines, Rays	4.G.A.1	Complete the following <ul style="list-style-type: none"> ● Explore and Grow ● Think and Grow ● Show and Grow ● Apply and Grow Practice ● Think and Grow Modeling Real Life ● Connect and Extend Learning: Homework and Practice
Lesson 13.2 Identify and Draw Angles	4.MD.C.5a, 4.MD.C.5.b, 4.G.A.1	
Lesson 13.3 Identify Parallel and Perpendicular Lines	4.G.A.1	
Lesson 13.4 Understand Degrees	4.MD.C.5a	
Lesson 13.5 Find Angle Measures	4.MD.C.5a	
Lesson 13.6 Measure and Draw Angles	4.MD.C.5a, 4.G.A.1, 4.MD.C.6	

**Lower Township Elementary Schools
Mathematics
4th Grade**

Lesson 13.7 Add Angle Measures	4.MD.C.6, 4.MD.C.7	
Lesson 13.8 Find Unknown Angle Measure	4.MD.C.6, 4.MD.C.7	
Lesson 14.1 Line Symmetry	4.G.A.3	
Lesson 14.2 Draw Symmetric Shapes	4.G.A.3	
Lesson 14.3 Classify Triangles by Sides	4.G.A.2	
Lesson 14.4 Classify Triangles by Angles	4.G.A.2	
Lesson 14.5 Classify Quadrilaterals	4.G.A.3	

Accommodations and Modifications	
Special Education	<ul style="list-style-type: none"> ● Follow 504/IEP accommodations ● Step by step examples ● Visual demonstration of skill or activity ● Allow for flexible grouping ● Student centered activities ● Learning Stations ● Small group & large group discussions ● Problem solving situations ● Restate, reword, clarify directions ● Provide Educational “breaks” as necessary ● Utilize visual and audio cues
Multilingual Learners	<ul style="list-style-type: none"> ● Step by step examples ● Visual demonstration of skill or activity ● Allow for flexible grouping ● Student centered activities ● Learning Stations ● Small group & large group discussions ● Problem solving situations

Lower Township Elementary Schools
Mathematics
4th Grade

	<ul style="list-style-type: none"> ● Utilize visual and audio cues ● Highlight, define, or demonstrate important vocabulary ● Restate, reword, clarify directions
Students At-Risk of School Failure	<ul style="list-style-type: none"> ● Step by step examples ● Visual demonstration of skill or activity ● Allow for flexible grouping ● Student centered activities ● Learning Stations ● Small group & large group discussions ● Problem solving situations ● Utilize visual and audio cues ● Highlight, define, or demonstrate important vocabulary ● Restate, reword, clarify directions ● Chunking content into small segments ● Shorten or reduce assignment to focus on one specific skill
Gifted and Talented	<ul style="list-style-type: none"> ● Student Choice ● Student centered activities ● Enhance skill or activity based on Individual Student Need ● Allow for flexible grouping ● Problem solving situations
Students with 504 Plans	<ul style="list-style-type: none"> ● Follow 504/IEP accommodations ● Step by step examples ● Visual demonstration of skill or activity ● Allow for flexible grouping ● Student centered activities ● Learning Stations ● Small group & large group discussions ● Problem solving situations ● Restate, reword, clarify directions ● Provide Educational “breaks” as necessary ● Utilize visual and audio cues

Lower Township Elementary Schools
Mathematics
4th Grade

Assessments	
Formative	<ul style="list-style-type: none">● Classwork● Homework● IXL● Observation● Questioning
Summative	<ul style="list-style-type: none">● Chapter Tests
Benchmark	<ul style="list-style-type: none">● Prerequisite Skills Inventory● Cumulative Review● End of the Year Test
Alternative	<ul style="list-style-type: none">● Quiz● Homework● Classwork

Lower Township Elementary Schools
Mathematics
4th Grade

SUBJECT: Math
 GRADE LEVEL: 4th grade
 UNIT TITLE: Unit 5: Measurement, data, and probability Chapters 10-13
 LENGTH OF STUDY: 45 Days
 START OF UNIT: 2/27/24
 END OF UNIT: 5/12/24

Unit Learning Goals

- Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.
- Represent and interpret data. Understand angles and measure angles.

Materials

- Big Ideas- teacher manuals, student edition, and online platform
- Whiteboards/Dry erase markers
- Math manipulatives
- IXL

Daily Targets	Standards	Instructional Activities
Lesson 10.1 Understand Tenths	4.NF.C.6	Complete the following <ul style="list-style-type: none"> ● Explore and Grow ● Think and Grow ● Show and Grow ● Apply and Grow Practice ● Think and Grow Modeling Real Life ● Connect and Extend Learning:
Lesson 10.2 Understand Hundredths	4.NF.C.5, 4.NF.C.6	
Lesson 10.3 Fractions and Decimals	4.NF.C.5, 4.NF.C.6	
Lesson 10.4 Compare Decimals	4.NF.C.7	
Lesson 10.5 Add Decimal Fractions and Decimals	4.NF.C.5, 4.NF.C.6	

**Lower Township Elementary Schools
Mathematics
4th Grade**

Lesson 10.6 Fractions, Decimals, and Money	4.NF.C.6	Homework and Practice
Lesson 10.7 Operations with Money	4.MD.A.2	
Lesson 11.1 Length in Metric Units	4.MD.A.1, 4.MD.A.2	
Lesson 11.2 Mass and Capacity	4.MD.A.1, 4.MD.A.2	
Lesson 11.3 Length in Customary Units	4.MD.A.1, 4.MD.A.2	
Lesson 11.4 Weight in Customary Units	4.MD.A.1	
Lesson 11.5 Capacity in Customary Units	4.MD.A.1, 4.MD.A.2	
Lesson 11.6 Make and Interpret Line Plots	4.MD.A.2, 4.MD.B.4, 4.NF.B.3c	
Lesson 11.7 Units of Time	4.MD.A.1, 4.MD.A.2	
Lesson 11.8 Problem Solving: Elapsed Time	4.MD.A.2	
Lesson 11.9 Mixed Measures	4.MD.A.1, 4.MD.A.2	
Lesson 12.1 Perimeter Formula for a Rectangle	4.MD.A.3, 4.OA.A.2	
Lesson 12.2 Area Formula for a Rectangle	4.MD.A.3, 4.OA.A.2	
Lesson 12.3 Find Unknown Measures	4.MD.A.3, 4.OA.A.2	
Lesson 12.4 Problem Solving: Perimeter and Area	4.MD.A.3, 4.OA.A.2, 4.OA.A.3	
Lesson 13.1 Points, Lines, Rays	4.G.A.1	
Lesson 13.2 Identify and Draw Angles	4.MD.C.5a, 4.G.A.1	
Lesson 13.3 Identify Parallel and Perpendicular Lines	4.G.A.1	
Lesson 13.4 Understand Degrees	4.MD.C.5a	

**Lower Township Elementary Schools
Mathematics
4th Grade**

Lesson 13.5 Find Angle Measures	4.MD.C.5a	
Lesson 13.6 Measure and Draw Angles	4.MD.C.5a, 4.G.A.1, 4.MD.C.6	
Lesson 13.7 Add Angle Measures	4.MD.C.6, 4.MD.C.7	
Lesson 13.8 Find Unknown Angle Measure	4.MD.C.6, 4.MD.C.7	

Accommodations and Modifications	
Special Education	<ul style="list-style-type: none"> ● Follow 504/IEP accommodations ● Step by step examples ● Visual demonstration of skill or activity ● Allow for flexible grouping ● Student centered activities ● Learning Stations ● Small group & large group discussions ● Problem solving situations ● Restate, reword, clarify directions ● Provide Educational “breaks” as necessary ● Utilize visual and audio cues
Multilingual Learners	<ul style="list-style-type: none"> ● Step by step examples ● Visual demonstration of skill or activity ● Allow for flexible grouping ● Student centered activities ● Learning Stations ● Small group & large group discussions ● Problem solving situations ● Utilize visual and audio cues ● Highlight, define, or demonstrate important vocabulary ● Restate, reword, clarify directions
Students At-Risk of School Failure	<ul style="list-style-type: none"> ● Step by step examples

Lower Township Elementary Schools
Mathematics
4th Grade

	<ul style="list-style-type: none"> ● Visual demonstration of skill or activity ● Allow for flexible grouping ● Student centered activities ● Learning Stations ● Small group & large group discussions ● Problem solving situations ● Utilize visual and audio cues ● Highlight, define, or demonstrate important vocabulary ● Restate, reword, clarify directions ● Chunking content into small segments ● Shorten or reduce assignment to focus on one specific skill
<p>Gifted and Talented</p>	<ul style="list-style-type: none"> ● Student Choice ● Student centered activities ● Enhance skill or activity based on Individual Student Need ● Allow for flexible grouping ● Problem solving situations
<p>Students with 504 Plans</p>	<ul style="list-style-type: none"> ● Follow 504/IEP accommodations ● Step by step examples ● Visual demonstration of skill or activity ● Allow for flexible grouping ● Student centered activities ● Learning Stations ● Small group & large group discussions ● Problem solving situations ● Restate, reword, clarify directions ● Provide Educational “breaks” as necessary ● Utilize visual and audio cues

Lower Township Elementary Schools
Mathematics
4th Grade

Assessments	
Formative	<ul style="list-style-type: none">● Classwork● Homework● IXL● Observation● Questioning
Summative	<ul style="list-style-type: none">● Chapter Tests
Benchmark	<ul style="list-style-type: none">● Prerequisite Skills Inventory● Cumulative Review● End of the Year Test
Alternative	<ul style="list-style-type: none">● Quiz● Homework● Classwork