

Lower Township Elementary Schools
 GoMATH NJSLS- Math
 Topic/Lesson Pacing Chart
 2021-22
 Grade 5

MATH PACING GUIDE: 2021-2022

CRITICAL AREA

Fluency with whole numbers and decimals

Prerequisite Skills Inventory: Administer Week 1 (September 7th -10th)

| CHAPTER 1: Place Value, Multiplication, & Expressions | Lesson | NJSLS- Math | Timeline (15 days) |
|---|---|-------------|-----------------------|
| Intro | Introduction of chapter-Assessing Prior Knowledge | | 1 day |
| 1-1 | Investigate-Place Value and Patterns | 5.NBT.A.1 | 1 day |
| 1-2 | Place Value of Whole Numbers | 5.NBT.A.1 | 1 day |
| 1-3 | Algebra-Properties | 5.OA.A.1 | 1 day |
| 1-4 | Algebra-Powers of Ten and Exponents | 5.NBT.A.2 | 1 day |
| 1-5 | Algebra-Multiplication Patterns | 5.NBT.A.2 | 1 day |
| 1-6 | Multiply by 1-Digit Numbers | 5.NBT.B.5 | 1 day |
| 1-7 | Multiply by Multi-Digit Numbers | 5.NBT.B.5 | 1 day |
| 1-8 | Relate Multiplication to Division | 5.NBT.B.6 | 1 day |

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|--------|--|--------------------|----------|
| 1-9 | Problem Solving and Division | 5.NBT.B.6 | 1-2 days |
| 1-10 | Algebra-Numerical Expressions | 5.OA.A.1, 5.OA.A.2 | 1 day |
| 1-11 | Algebra-Evaluate Numerical Expressions | 5.OA.A.1 | 1 day |
| 1-12 | Algebra Grouping symbols | 5.OA.A.1 | 1 day |
| Review | | | 1 day |
| Test | | | 1 day |

Chapter 1 Suggested Timeline: September 13th - October 1st

CRITICAL AREA
Fluency with Whole Numbers and Decimals

| CHAPTER 2: Divide Whole Numbers | Lesson | NJSLS- Math | Timeline |
|---------------------------------|---|-------------|----------|
| | | | 12 days |
| Intro | Introduction of Chapter-Assessing Prior Knowledge | | 1 day |

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| | | | |
|--------|---|---------------------|-------|
| 2-1 | Place the First Digit | 5.NBT.B.6 | 1 day |
| 2-2 | Divide by One-Digit Divisors | 5.NBT.B.6 | 1 day |
| 2-3 | Investigate: Division with Two-Digit Divisors | 5.NBT.B.6 | 1 day |
| 2-4 | Partial Quotients | 5.NBT.B.6 | 1 day |
| 2-5 | Estimate with Two-Digit Divisors | 5.NBT.B.6 | 1 day |
| 2-6 | Divide by Two Digit Divisors | 5.NBT.B.6 | 1 day |
| 2-7 | Interpret the Remainder | 5.NBT.B.6, 5.NF.B.3 | 1 day |
| 2-8 | Adjust Quotients | 5.NBT.B.6 | 1 day |
| 2-9 | Problem Solving: Division | 5.NBT.B.6 | 1 day |
| Review | | | 1 day |
| Test | | | 1 day |

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Chapter 2 Suggested Timeline: October 4th - October 20th

CRITICAL AREA
Fluency with Whole Numbers and Decimals

| CHAPTER 3: Add and Subtract Decimals | Lesson | NJSLs- Math | Timeline (14 days) |
|--------------------------------------|---|----------------------|-----------------------|
| Intro | Introduction of Chapter-Assessing Prior Knowledge | | 1 day |
| 3-1 | Investigate: Thousandths | 5.NBT.A.1, 5.NBT.A3a | 1 day |
| 3-2 | Place Value of Decimals | 5.NBT.A.1, 5.NBT.A3a | 1 day |
| 3-3 | Compare and Order Decimals | 5.NBT.A.3b | 1 day |
| 3-4 | Round Decimals | 5.NBT.A.4 | 1 day |
| 3-5 | Investigate: Decimal Addition | 5.NBT.B.7 | 1 day |
| 3-6 | Investigate: Decimal Subtraction | 5.NBT.B.7 | 1 day |
| 3-7 | Estimate Decimal Sums and Differences | 5.NBT.B.7 | 1 day |
| 3-8 | Add Decimals | 5.NBT.B.7 | 1 day |
| 3-9 | Subtract Decimals | 5.NBT.B.7 | 1 day |

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|--------|---|-----------|-------|
| 3-10 | Algebra: Patterns with Decimals | 5.NBT.B.7 | 1 day |
| 3-11 | Problem Solving: Add and Subtract Money | 5.NBT.B.7 | 1 day |
| 3-12 | Choose a Method | 5.NBT.B.7 | 1 day |
| Review | | | 1 day |
| Test | | | 1 day |

Chapter 3 Suggested Timeline: October 21st - November 12th

| CRITICAL AREA Fluency with Whole Numbers and Decimals | | | |
|--|---|----------------------|--------------------|
| CHAPTER 4: Multiply Decimals | Lesson | NJSLs- Math | Timeline (11 days) |
| Intro | Introduction of Chapter-Assessing Prior Knowledge | | 1 day |
| 4-1 | Algebra: Multiplication Patterns with | 5.NBT.A.2, 5.NBT.B.7 | 1 day |

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| | Decimals | | |
| 4-2 | Investigate: Multiply Decimals and Whole Numbers | 5.NBT.B.7 | 1 day |
| 4-3 | Multiplication with Decimals and Whole Numbers | 5NBT.A.2, 5.NBT.B.7 | 1 day |
| 4-4 | Multiply using Expanded Form | 5NBT.A.2, 5.NBT.B.7 | 1 day |
| 4-5 | Problem Solving: Multiply Money | 5.NBT.B.7 | 1-2 days |
| 4-6 | Investigate: Decimal Multiplication | 5.NBT.B.7 | 1-2 days |
| 4-7 | Multiply Decimals | 5NBT.A.2, 5.NBT.B.7 | 1 day |
| 4-8 | Zeros in the Product | 5NBT.A.2, 5.NBT.B.7 | 1 day |
| Review | | | 1 day |
| Test | | | 1 day |

Chapter 4 Suggested Timeline: November 15th - December 2nd

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CRITICAL AREA
Fluency with Whole Numbers and Decimals

| CHAPTER 5: Divide Decimals | Lesson | NJSLS- Math | Timeline (11 days) |
|-----------------------------------|---|----------------------|-------------------------------|
| Intro | Introduction of Chapter-Assessing Prior Knowledge | | 1 day |
| 5-1 | Algebra: Division Patterns with Decimals | 5.NBT.A.2 | 1 day |
| 5-2 | Investigate: Divide Decimals by Whole Numbers | 5.NBT.B.7 | 1 day |
| 5-3 | Estimate Quotients | 5.NBT.B.7 | 1 day |
| 5-4 | Division of Decimals by Whole Numbers | 5.NBT.B.7 | 1 day |
| 5-5 | Investigate: Decimal Division | 5.NBT.B.7 | 1 day |
| 5-6 | Divide Decimals | 5.NBT.A.2, 5.NBT.B.7 | 1 day |
| 5-7 | Write Zeros in the Dividend | 5.NBT.B.7 | 1 day |

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| 5-8 | Problem Solving: Decimal Operations | 5.NBT.B.7 | 1 day |
| Review | | | 1 day |
| Test | | | 1 day |

Chapter 5 Suggested Timeline: December 6th - December 17th

| CRITICAL AREA Operations with Fractions | | | |
|---|---|--------------------|---------------------------|
| CHAPTER 6: Add and Subtract Fractions with unlike Denominators | Lesson | NJSLS- Math | Timeline (16 days) |
| Intro | Introduction of chapter-Assessing Prior Knowledge | | 1 day |
| 6-1 | Investigate: Addition with unlike Denominators | 5.NF.A.1, 5.NF.A.2 | 1-2 days |
| 6-2 | Investigate Subtraction with unlike Denominators | 5.NF.A.2 | 1 day |
| 6-3 | Estimate Fraction Sums and Differences | 5.NF.A.2 | 1 day |
| 6-4 | Common Denominators and Equivalent | 5.NF.A.1, 5.OA.A.2 | 1 day |

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| | Fractions | | |
| 6-5 | Algebra-Multiplication Patterns | 5.NF.A.1, 5.NF.A.2 | 1 day |
| 6-6 | Add and Subtract Mixed Numbers | 5.NF.A.1, 5.NF.A.2 | 1 day |
| 6-7 | Subtraction with Renaming | 5.NF.A.1, 5.NF.A.2 | 1-2 days |
| 6-8 | Algebra: Patterns with Fractions | 5.NF.A.1 | 1 day |
| 6-9 | Problem Solving: Practice Addition and Subtraction | 5.NF.A.1, 5.NF.A.2 | 1 day |
| 6-10 | Algebra: Use Properties of Addition | 5.NF.A.1 | 1-2 days |
| Review | | | 1 day |
| Test | | | 1 day |

Chapter 6 Suggested Timeline: January 3rd - January 25th

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| CRITICAL AREA Operations with Fractions | | | |
| CHAPTER 7: Multiply | Lesson | NJSLS- Math | Timeline |

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| Fractions | | | (14 days) |
|-----------|---|---------------------------------|-----------|
| Intro | Introduction of Chapter-Assessing Prior Knowledge | | 1 day |
| 7-1 | Find Part of a Group | 5.NF.B.4a | 1 day |
| 7-2 | Investigate: Multiply Fractions and Whole Numbers | 5.NF.B.4a | 1 day |
| 7-3 | Fraction and Whole Number Multiplication | 5.NF.B.4a | 1 day |
| 7-4 | Investigate: Multiply Fractions | 5.NF.B.4a, 5.NF.B.4b | 1 day |
| 7-5 | Compare Fraction Factors and Products | 5.NF.B.5a, 5.NF.B.5b | 1 day |
| 7-6 | Fraction Multiplication | 5.NF.B.4a, 5.NF.B.5b, 5.NF.B.5a | 1 day |
| 7-7 | Investigate: Area and Mixed Numbers | 5.NF.B.4b | 1-2 days |
| 7-8 | Compare Mixed Number Factors and Products | 5.NF.B.5a, 5.NF.B.5b | 1 day |
| 7-9 | Multiply Mixed Numbers | 5.NF.B.6 | 1 day |
| 7-10 | Problem Solving: Find Unknown Lengths | 5.NF.B.4b, 5.NF.B.6 | 1 day |
| Review | | | 1 day |

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| | | | |
| Test | | | 1 day |

Chapter 7 Suggested Timeline: January 26th - February 14th

| CRITICAL AREA Operations with Fractions | | | |
|--|---|---------------------------------|--------------------|
| CHAPTER 8: Divide Fractions | Lesson | NJSLS- Math | Timeline (10 days) |
| Intro | Introduction of Chapter-Assessing Prior Knowledge | | 1 day |
| 8-1 | Investigate: Divide Fractions and Whole Numbers | 5.NF.B.7a, 5.NF.B.7b, 5.NF.B.7c | 1 day |
| 8-2 | Problem Solving: Use Multiplication | 5.NF.B.7b | 1 day |
| 8-3 | Connect Fractions to Division | 5.NF.B.3, 5.NF.B.7 | 1 day |

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| 8-4 | Fraction and Whole Number Division | 5.NF.B.7c, 5.NF.B.7a, 5.NF.B.7b | 1 day |
| 8-5 | Interpret Division with Fractions | 5.NF.B.7a, 5.NF.B.7b, 5.NF.B.7c | 1 day |
| Review | | | 1 day |
| Test | | | 1 day |

Chapter 8 Suggested Timeline: February 15 - March 2

| CRITICAL AREA Geometry and Measurement | | | |
|---|---|--------------------|-------------------------------|
| CHAPTER 9: Patterns and Graphing | Lesson | NJSLS- Math | Timeline (10 days) |
| Intro | Introduction of Chapter-Assessing Prior Knowledge | | 1 day |

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| | | | |
|--------|---------------------------------|-------------------|-------|
| 9-1 | Line Plots | 5.MD.B.2 | 1 day |
| 9-2 | Ordered Pairs | 5.G.A.1 | 1 day |
| 9-3 | Investigate: Graph Data | 5.G.A.2 | 1 day |
| 9-4 | Line Graphs | 5.G.A.2 | 1 day |
| 9-5 | Numerical Patterns | 5.OA.B.3 | 1 day |
| 9-6 | Problem Solving: Find a Rule | 5.OA.B.3 | 1 day |
| 9-7 | Graph and Analyze Relationships | 5.OA.B.3, 5.G.A.2 | 1 day |
| Review | | | 1 day |
| Test | | | 1 day |

Chapter 9 Suggested Timeline: March 3rd - March 16th

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CRITICAL AREA
Geometry and Measurement

| CHAPTER 10: Geometry and Measurement | Lesson | NJSLS- Math | Timeline (10 days) |
|---|---|--------------------|---------------------------|
| Intro | Introduction of Chapter-Assessing Prior Knowledge | | 1 day |
| 10-1 | Customary Length | 5.MD.A.1 | 1 day |
| 10-2 | Customary Capacity | 5.MD.A.1 | 1 day |
| 10-3 | Weight | 5.MD.A.1 | 1 day |
| 10-4 | Multistep Measurement Problems | 5.MD.A.1 | 1 day |
| 10-5 | Metric Measures | 5.MD.A.1 | 1 day |
| 10-6 | Problem Solving: Customary and Metric Conversions | 5.MD.A.1 | 1-2 day |
| 10-7 | Elapsed Time | 5.MD.A.1 | 1 day |
| Review | | | 1 day |

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| | |
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| | |
| Test | 1 day |

Chapter 10 Suggested Timeline: March 17th - March 30th

| CRITICAL AREA Geometry and measurement | | | |
|---|---|---------------------|-----------------------|
| CHAPTER 11: Geometry and Volume | Lesson | NJSLs- Math | Timeline (14-18 days) |
| Intro | Introduction of Chapter-Assessing Prior Knowledge | | 1 day |
| 11-1 | Polygons | 5.G.B.3, 5.G.B.4 | 1 day |
| 11-2 | Triangles | 5.G.B.3, 5.G.B.4 | 1 day |
| 11-3 | Quadrilaterals | 5.G.B.3, 5.G.B.4 | 1 day |
| 11-4 | Three-Dimensional Figures | 5.MD.C.3 | 1 day |
| 11-5 | Investigate: Unit Cubes and Solid Figures | 5.MD.C.3a | 1-2 days |
| 11-6 | Investigate: Understand Volume | 5.MD.C.3b, 5.MD.C.4 | 1-2 days |
| 11-7 | Investigate: Estimate Volume | 5.MD.C.4, 5.MD.C.3b | 1 day |

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|--|----------------------------------|----------------------|--------------|
| 11-8 | Volume of Rectangular Prisms | 5.MD.C.5a, 5.MD.C.5b | 1 day |
| 11-9 | Algebra: Apply Volume Formulas | 5.MD.C.5a, 5.MD.C.5b | 1 day |
| 11-10 | Problem Solving: Compare Volumes | 5.MD.C.5b | 1-2 days |
| 11-11 | Find Volume of Composed Figures | 5.MD.C.5c, 5.MD.C.5b | 1-2 days |
| Review | | | 1 day |
| Test | | | 1 day |
| District Benchmark: End of the Year Test- Administer June 7, 2022 *retain for records | | | 1 day |

Chapter 11 Suggested Timeline: March 31st - May 2nd

Optional: Critical Area Assessments can be done with any extra or remaining days.
NJSLA Review can be covered during the 20 minute Math Review block.

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| Getting Ready for Grade 6 | |
|--------------------------------------|---|
| 1. Compare Fractions and Decimals | 12. Understand Integers+ |
| 2. Order Fractions and Decimals | 13. Algebra- Write and Evaluate Expressions |
| 3. Factor Trees | 14. Algebra- Understand Inequalities |
| 4. Model Percent | 15. Polygons on a Coordinate Grid |
| 5. Relate Decimals and Percents | 16. Area of a Parallelogram |
| 6. Fractions, Decimals and Percents | 17. Median and Mode |
| 7. Divide Fractions by Whole Numbers | 18. Finding the Average |
| 8. Ratios | 19. Histograms |
| 9. Equivalent Ratios | 20. Analyze Histograms |
| 10. Rates | Lessons 12-20 Test |
| 11. Distance, Rate and Time | |
| Lesson 1 to 11 Test | |