



Danville Area School District
Course Overview and Scope and Sequence

Course Title: Grade 1 Mathematics

Content Area: Mathematics

Grade Level: 1

Date Developed: Summer 2023

COURSE OVERVIEW: First Grade Math is aligned to the Pennsylvania Academic and Core Standards, with a focus on Eligible Content for Grade Level PSSAs. This course prepares students to understand Mathematics conceptually and fluently in order to apply the obtained skills and knowledge to real-world applications.

ANCHOR STANDARDS:

- CC.2.2.1.A.1- Represent and solve problems involving addition and subtraction within 20.
- CC.2.2.1.A.2- Understand and apply properties of operations and the relationship between addition and subtraction.
- CC.2.1.1.B.1- Extend the counting sequence to read and write numerals to represent objects.
- CC.2.1.1.B.2- Use place value concepts to represent amounts of tens and ones and to compare two digit numbers.
- CC.2.1.1.B.3- Use place value concepts and properties of operations to add and subtract within 100.
- CC.2.3.1.A.1- Compose and distinguish between two and three-dimensional shapes based on their attributes.
- CC.2.3.1.A.2- Use the understanding of fractions to partition shapes into halves and quarters.
- CC.2.4.1.A.1- Order lengths and measure them both indirectly and by repeating length units.
- CC.2.4.1.A.2- Tell and write time to the nearest half hour using both analog and digital clocks.
- CC.2.4.1.A.4- Represent and interpret data using tables and charts.

KEY COURSE TEXT AND MATERIALS: *Ready Classroom:* Teacher's Guides, Student Workbooks, iReady

KEY ASSESSMENTS:

Diagnostic: iReady Diagnostic (BOY, MOY, EOY)
 Formative: Ready Classroom Lesson Quizzes, iReady Lessons
 Summative: Ready Classroom Unit Assessments

| SCOPE AND SEQUENCE | | | | | |
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| Unit | PRIORITY STANDARDS | SUPPORTING STANDARDS | ASSESSMENT | MATERIALS | TIMEFRAME |
| Numbers Within 10: Addition & Subtraction | CC.2.2.1.A.1 CC.2.2.1.A.2 | | Lessons 0-10 Quizzes Unit 1 Assessment or Digital Comprehension Check | Ready Classroom- Teacher’s Guides and Student Workbooks iReady, Learning Games, and Interactive Practice Manipulatives Needed: Counters, connecting cubes, and number cubes | Days 16-60 (includes time for Unit 1 Assessment) |
| Numbers Within 20: Addition and Subtraction Representing Data | CC.2.1.1.B.2 CC.2.2.1.A.1 CC.2.2.1.A.2 | | Lessons 11-18 Quizzes Unit 2 Assessment or Digital Comprehension Check | Ready Classroom- Teacher’s Guides and Student Workbooks iReady, Learning Games, and Interactive Practice | Days 61-99 (includes time for Unit 2 Assessment) |

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| | | | | Manipulatives Needed: Counters, connecting cubes, pattern blocks, and number cubes | |
| Tens and Ones: Counting, Place Value, Time, and Money | CC.2.1.1.B.1 CC.2.1.1.B.2 CC.2.4.1.A.2 | | Lesson 19-24 Quizzes Unit 3 Assessment or Digital Comprehension Check | Ready Classroom-Teacher's Guides and Student Workbooks iReady, Learning Games, and Interactive Practice Manipulatives Needed: Connecting cubes, base ten blocks, counters, number cubes, play money, clocks | Days 100-122 (includes time for Unit 3 Assessment) |
| Operations With Tens and Ones (Addition and Subtraction) | CC.2.1.1.B.3 | | Lessons 25-29 Quizzes Unit 4 Assessment or Digital Comprehension Check | Ready Classroom-Teacher's Guides and Student Workbooks iReady, Learning Games, and Interactive Practice | Days 123-144 (includes time for Unit 4 Assessment) |

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| | | | | <p>Manipulatives Needed: Connecting cubes, base ten blocks, number cubes, two-digit number cards, play pennies</p> | |
| Length (Comparing, Ordering, and Measuring) | <p>CC.2.4.1.A.1 CC.2.4.1.A.4</p> | | <p>Lessons 30-32 Quizzes Unit 5 Assessment or Digital Comprehension Check</p> | <p>Ready Classroom-Teacher's Guides and Student Workbooks iReady, Learning Games, and Interactive Practice</p> <p>Manipulatives Needed: Connecting cubes, base ten blocks, 1-inch tiles, and inch rulers</p> | <p>Days 145-160 (includes time for Unit 5 Assessment)</p> |
| Geometry: Analyzing, Composing, and Partitioning Shapes | <p>CC.2.3.1.A.1 CC.2.3.1.A.2</p> | | <p>Lessons 33-35 Quizzes Unit 6 Assessment or Digital Comprehension Check</p> | <p>Ready Classroom-Teacher's Guides and Student Workbooks iReady, Learning Games, and Interactive Practice</p> | <p>Days 1-16 (includes time for Unit 6 Assessment)</p> |

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| | | | | Manipulatives Needed: Geometric solid shapes, pattern blocks, tangram shapes, pattern blocks, geoboard, paper rectangles, circles, and squares | |
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