



Danville Area School District
Course Overview and Scope and Sequence

Course Title: Grade 2 Mathematics

Content Area: Mathematics

Grade Level: 2

Date Developed: Summer 2023

COURSE OVERVIEW: 2nd 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.2.1.2.B.1- Use place value concepts to represent amounts of tens and ones and to compare three digit numbers.
- CC.2.1.2.B.2- Use place value concepts to read, write, and skip count to 1000.
- CC.2.1.1.B.3 - Use place value concepts and properties of operations to add and subtract within 100.
- CC.2.1.2.B.3 - Use place value understanding and properties of operations to add and subtract within 1000.
- CC.2.2.2.A.1- Represent and solve problems involving addition and subtraction within 100.
- CC.2.2.2.A.2- Use mental strategies to add and subtract within 20.
- CC.2.2.2.A.3 - Work with equal groups of objects to gain foundations for multiplication.
- CC.2.3.2.A.1- Analyze and draw two and three dimensional shapes having specified attributes.
- CC.2.3.2.A.2- Use the understanding of fractions to partition shapes into halves, quarters, and thirds.
- CC.2.4.2.A.3- Solve problems using coins and paper currency with appropriate symbols.
- CC.2.4.2.A.4- Represent and interpret data using line plots, picture graphs, and bar graphs.
- CC.2.4.2.A.6- Extend the concepts of addition and subtraction to problems involving length.

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					
Unit	PRIORITY STANDARDS	SUPPORTING STANDARDS	ASSESSMENT	MATERIALS	TIMEFRAME
Numbers Within 20: Addition, Subtraction, and Data	CC.2.2.2.A.1 CC.2.2.2.A.2 CC.2.4.2.A.4		iReady Diagnostic Lessons 0-5 Quizzes Unit 1 Assessment or Digital Comprehension Check	Ready Classroom-Teacher’s Guides and Student Workbooks iReady, Learning Games, and Interactive Practice Manipulatives Needed: Two-color counters, connecting cubes (10 each of 3 different colors: red, yellow, blue), and a number cube (labeled 0-5)	Days 1-34 (includes time for Math in Action, Unit 1 Assessment, and iReady Diagnostic)
Numbers Within 100: Addition, Subtraction, Time, Money	CC.2.1.1.B.3 CC.2.2.2.B.3		Lessons 6-11 Quizzes Mid-Unit 2 Assessment or	Ready Classroom-Teacher’s Guides and Student Workbooks	Days 35-68 (includes time for Math in Action and Unit 2 Assessment)

	CC.2.4.2.A.2 CC.2.4.2.A.3 CC.2.4.2.A.4		Digital Comprehension Check Unit 2 Assessment or Digital Comprehension Check	iReady, Learning Games, and Interactive Practice Manipulatives Needed: Base ten blocks, connecting cubes, counters, play coins, and number cubes	
Numbers Within 1,000	CC.2.1.2.B.1 CC.2.1.2.B.2 CC.2.1.2.B.3		Lesson 12-19 Quizzes Mid-Unit 3 Assessment or Digital Comprehension Check Unit 3 Assessment or Digital Comprehension Check	Ready Classroom-Teacher's Guides and Student Workbooks iReady, Learning Games, and Interactive Practice Manipulatives Needed: Base ten blocks and number cubes	Days 69-112 (includes time for Math in Action, Unit 3 Assessment, and iReady Diagnostic)
Measurement, Addition and Subtraction, and Line Plots	CC.2.4.2.A.1 CC.2.4.2.A.4 CC.2.4.2.A.6		Lessons 20-27 Quizzes Mid-Unit 4 Assessment or Digital Comprehension	Ready Classroom-Teacher's Guides and Student Workbooks	Days 113-153 (includes time for Math in Action and Unit 4 Assessment)

			<p>Check Unit 4 Assessment or Digital Comprehension Check</p>	<p>iReady, Learning Games, and Interactive Practice</p> <p>Manipulatives Needed: One inch tiles, centimeter tiles, rulers, yardsticks, meter sticks, measuring tape, connecting cubes, and base ten blocks</p>	
<p>Shapes and Arrays: Partitioning and Tiling Shapes, Arrays, Evens and Odds</p>	<p>CC.2.2.2.A.3 CC.2.3.2.A.1 CC.2.3.2.A.2</p>		<p>Lessons 28-32 Quizzes Mid-Unit 5 Assessment or Digital Comprehension Check 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: Geoboards, inch rulers, connecting cubes, counters, and tiles</p>	<p>Days 54-179 (includes time for Math in Action, Unit 5 Assessment, and iReady Diagnostic)</p>