



Danville Area School District
Course Overview and Scope and Sequence

Course Title: Grade K Mathematics

Content Area: Mathematics

Grade Level: K

Date Developed: Summer 2023

COURSE OVERVIEW: Kindergarten 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.K.A.1- Know number names and write and recite the count sequence.

CC.2.1.K.A.2- Apply one-to-one correspondence to count the number of objects.

CC.2.1.K.A.3- Apply the concept of magnitude to compare numbers and quantities.

CC.2.1.K.B.1- Use place value to compose and decompose numbers within 19.

CC.2.2.K.A.1- Extend the concepts of putting together and taking apart to add and subtract within 10. CC.2.3.K.A.1- Identify and describe two- and three-dimensional shapes.

CC.2.3.K.A.2- Analyze, compare, create, and compose two- and three-dimensional shapes.

CC.2.4.K.A.1- Describe and compare attributes of length, area, weight, and capacity of everyday objects. CC.2.4.K.A.4- Classify objects and count the number of objects in each category.

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

KEY ASSESSMENTS:

Diagnostic: iReady Diagnostic (MOY, EOY)

Formative: Ready Classroom Lesson Quizzes, iReady Lessons
 Summative: Ready Classroom Unit Assessments

Numbers 0-5, Counting, Writing, and Comparing	CC.2.1.K.A.1 CC.2.1.K.A.2 CC.2.1.K.A.3 CC.2.3.K.A.1	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: Counters, connecting cubes, and a

Days 1-30
(includes time
for Unit 1
Assessment)

		number cube labeled 0-5	
Numbers 6-10, Counting, Writing, Comparing, and Sorting	CC.2.1.K.A.1 CC.2.1.K.A.2 CC.2.1.K.A.3 CC.2.4.K.A.4	Lessons 6-11 Quizzes Unit 2 Assessment or Digital Comprehension Check	Ready Classroom Teacher's Guides and Student Workbooks iReady, Learning Games, and Interactive Practice
			Days 31-61 (includes time for Unit 2 Assessment)

		Manipulatives Needed: Counters, connecting cubes, a number cube labeled 0-5, attribute blocks, play money	
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<p>Geometry, Naming, Comparing, and Building Shapes</p>	<p>CC.2.3.K.A.1</p> <p>CC.2.3.K.A.2</p>	<p>Lesson 12-15 Quizzes</p> <p>Unit 3 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: Attribute blocks, counters, flat and solid shapes, geometric solids, and pattern blocks</p> <p>Ready Classroom Teacher's Guides and Student Workbooks</p>	<p>Days 62-83 (includes time for Unit 3 Assessment)</p>
<p>Numbers Within 10</p>	<p>CC.2.2.K.A.1 Lessons 16-25 Quizzes</p>	<p>Unit 4 Assessment or Digital Comprehension Check</p>	<p>Ready Classroom Teacher's Guides and Student Workbooks</p>	<p>Days 84-134 (includes time for Unit 4 Assessment)</p>

		<p>iReady, Learning Games, and Interactive Practice</p> <p>Manipulatives Needed: Connecting cubes and counters</p>	
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