



Danville Area School District
Course Overview and Scope and Sequence

Course Title: Grade 4 Math

Content Area: Mathematics

Grade Level: 4

Date Developed: Summer 2023

COURSE OVERVIEW: 4th 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.2.1.4.B.1 Apply place value concepts to show an understanding of multi-digit whole numbers.
- CC.2.1.4.B.2 Use place value understanding and properties of operations to perform multi digit arithmetic.
- CC.2.2.4.A.1 Represent and solve problems involving the four operations.
- CC.2.2.4.A.2 Develop and/or apply number theory concepts to find factors and multiples.
- CC.2.2.4.A.4 Generate and analyze patterns using one rule.
- CC.2.4.4.A.1 Solve problems involving measurement and conversions from a larger unit to a smaller unit.
- CC.2.1.4.C.1 Extend the understanding of fractions to show equivalence and ordering.
- CC.2.1.4.C.2 Build fractions from unit fractions by applying and extending previous understandings of operations on whole #'s..
- CC.2.1.4.C.3 Connect decimal notation to fractions, and compare decimal fractions (base 10 denominator, e.g. ,19/100)..
- CC.2.4.4.A.4 Represent and interpret data involving fractions using information provided in a line plot.
- CC.2.3.4.A.1 Draw lines and angles and identify these in two-dimensional figures.
- CC.2.3.4.A.2 Classify two-dimensional figures by properties of their lines and angles.
- CC.2.3.4.A.3 Recognize symmetric shapes and draw lines of symmetry.
- CC.2.4.4.A.6 Measure angles and use properties of adjacent angles to solve problems.

KEY COURSE TEXT AND MATERIALS: Ready Classroom, Teacher Created Supplements, Study Island

KEY ASSESSMENTS:

Diagnostic: NWEA, CDT

Formative: Problem of the day, lesson quizzes, exit slips, observations, Study Island

Summative: Unit Assessments; PSSA

SCOPE AND SEQUENCE					
Unit	PRIORITY STANDARDS	SUPPORTING STANDARDS	ASSESSMENT	MATERIALS	TIMEFRAME
Unit 1: Whole Numbers- Place Value, Comparison, Addition, and Subtraction	CC.2.1.4.B.1 CC.2.1.4.B.2	M04.A-T.1.1.1 M04.A-T.1.1.2 M04.A-T.1.1.3 M04.A-T.1.1.4 M04.A-T.2.1.1 M04.A-T.2.1.2 M04.A-T.2.1.3 M04.A-T.2.1.4	Formative assessment is ongoing. Each standard and specific eligible content is assessed. End-of-unit assessment.	Ready Classroom Study Island Teacher Created Materials	25 days
Unit 2: Operations: Multiplication, Division, and Algebraic Thinking	CC.2.1.4.B.2 CC.2.2.4.A.1 CC.2.2.4.A.2 CC.2.2.4.A.4	M04.A-T.2.1.1 M04.A-T.2.1.2 M04.A-T.2.1.3 M04.A-T.2.1.4 M04.B-O.1.1.1-4 M04.B-O.2.1.1 M04.B-O.3.1.1-3	Formative assessment is ongoing. Each standard and specific eligible content is assessed. End-of-unit assessment.	Ready Classroom Study Island Teacher Created Materials	24 Days

<p>Unit 3: Multi-Digit Operations and Measurement- Multiplication, Division, Perimeter and Area</p>	<p>CC.2.1.4.B.1 CC.2.1.4.B.2 CC.2.4.4.A.1</p>	<p>M04.A-T.1.1.1-4 M04.A-T.2.1.1-4 M04.D-M.1.1.1 M04.D-M.1.1.2 M04.D-M.1.1.3 M04.D-M.1.1.4</p>	<p>Formative assessment is ongoing. Each standard and specific eligible content is assessed. End-of-unit assessment.</p>	<p>Ready Classroom Study Island Teacher Created Materials</p>	<p>26 Days</p>
<p>Unit 4: Fractions, Decimals, and Measurement- Addition, Subtraction, and Multiplication</p>	<p>CC.2.1.4.B.2 CC.2.1.4.C.1 CC.2.1.4.C.2. CC.2.1.4.C.3 CC.2.2.4.A.1 CC.2.4.4.A.1 CC.2.4.4.A.1 CC.2.4.4.A.4</p>	<p>M04.A-T.2.1.1-4 M04.A-F.1.1.1 M04.A-F.1.1.2 M04.A-F.2.1.1-7 M04.A-F.3.1.1 M04.A-F.3.1.2 M04.A-F.3.1.3 M04.B-O.1.1.1-4 M04.D-M.1.1.1-4 M04.D-M.2.1.1 M04.D-M.2.1.2</p>	<p>Formative assessment is ongoing. Each standard and specific eligible content is assessed. End-of-unit assessment.</p>	<p>Ready Classroom Study Island Teacher Created Materials</p>	<p>55 Days</p>
<p>Unit 5: Geometry and Measurement- Figures, Classification, and Symmetry</p>	<p>CC.2.3.4.A.1 CC.2.3.4.A.2 CC.2.3.4.A.3 CC.2.4.4.A.6</p>	<p>M04.C-G.1.1.1 M04.C-G.1.1.2 M04.C-G.1.1.3 M04.D-M.3.1.1 M04.D-M.3.1.2</p>	<p>Formative assessment is ongoing. Each standard and specific eligible content is assessed. End-of-unit assessment.</p>	<p>Ready Classroom Study Island Teacher Created Materials</p>	<p>24 Days</p>