



Danville Area School District
Course Overview and Scope and Sequence

Course Title: Grade 5 Math

Content Area: Mathematics

Grade Level: 5

Date Developed: Summer 2023

COURSE OVERVIEW: 5th 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.2.1.5.B.1 Apply place-value concepts to show an understanding of operations and rounding as they pertain to whole numbers and decimals.

CC.2.1.5.B.2 Extend an understanding of operations with whole numbers to perform operations including decimals. CC.2.1.5.C.1 Use the understanding of equivalency to add and subtract fractions

CC.2.1.5.C.2 Apply and extend previous understandings of multiplication and division to multiply and divide fractions. CC.2.2.5.A.1 Interpret and evaluate numerical expressions using order of operations

CC.2.2.5.A.4 Analyze patterns and relationships using two rules.

CC.2.3.5.A.1 Graph points in the first quadrant on the coordinate plane and interpret these points when solving real world and mathematical problems

CC.2.3.5.A.2 Classify two-dimensional figures into categories based on an understanding of their properties. CC.2.4.5.A.1 Solve problems using conversions within a given measurement system.

CC.2.4.5.A.2 Represent and interpret data using appropriate scale.

CC.2.4.5.A.4 Solve problems involving computation of fractions using information provided in a line plot.

CC.2.4.5.A.5 Apply concepts of volume to solve problems and relate volume to multiplication and to

addition.

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

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| Unit 1 Numbers and Operations in Base 10 | CC.2.1.5.B.1 M05.A-T.1.1.1 M05.A-T.1.1.2 CC.2.1.5.B.2 M05.A-T.1.1.3 M05.A-T.1.1.4 M05.A-T.1.1.5 | Formative assessment is ongoing. Each standard and | Ready Classroom Study Island Math Reference Book Teacher Created Materials | 42 days |

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| | | M05.A-T.2.1.1 | specific eligible | | |
| | | M05.A-T.2.1.2 | content is | | |
| | | M05.A-T.2.1.3 | assessed. | | |
| | | | End-of-unit assessment. | | |

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| Unit 2 Number and Operations in Fractions | CC.2.1.5.C.1 | M05.A-F.2.1.1 | assessment is | assessed. | Math Reference |
| | CC.2.1.5.C.2 | M05.A-F.2.1.2 | ongoing. Each | End-of-unit | Book |
| | | M05.A-F.2.1.3 | standard and | assessment. | Teacher Created |
| | M05.A-F.1.1.1 | M05.A-F.2.1.4 | specific eligible | Ready Classroom | Materials |
| | | Formative | content is | Study Island | 28 Days |

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| Unit3 Operationsand AlgebraicThinking | CC.2.2.5.A.1 | M05.B-O.1.1.1 | Formative | ReadyClassroom Study Island MathReference Book TeacherCreate d Materials | 13Days |
| | | M05.B-O.1.1.2 | assessment is | | |
| | CC.2.2.5.A.4 | M05.B-O.2.1.1 | ongoing. Each | | |
| | | M05.B-O.2.1.2 | standardand specificeligible content is assessed. End-of-unit | | |

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|-------------------------------|--------------|---------------|--------------------------------------|---|--------|
| | | | assessment. | | |
| Unit4 Measurement and Data | CC.2.4.5.A.1 | M05.D-M.1.1.1 | Formative | ReadyClassroom Study Island MathReference Book TeacherCreated Materials | 22Days |
| | | M05.D-M.2.1.1 | assessment is | | |
| | CC.2.4.5.A.2 | M05.D-M.2.1.2 | ongoing. Each | | |
| | | M05.D-M.3.1.1 | standard and | | |
| | CC.2.4.5.A.4 | M05.D-M.3.1.2 | specific eligible content is | | |
| | CC.2.4.5.A.5 | | assessed. End-of-unit assessment. | | |

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| Unit5 Geometry CC.2.3.5.A.1 CC.2.3.5.A.2 M05.C-G.1.1.1 M05.C-G.1.1.2 M05.C-G.2.1.1 Formative | assessment is ongoing. Each standard and specific eligible content is assessed. End-of-unit assessment. ReadyClassroom | Study Island MathReference Book TeacherCreated Materials 12Days |
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