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to the

Pennsylvania Core Standards for Mathematics

Grades Kindergarten-5

ALWAYS LEARNING PEARSON

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Introduction

This document demonstrates how *enVisionmath2.0*, *©2016*, aligns to the Pennsylvania Core Standards for Mathematics, Grades K-6. Correlation page references are to the Student's and Teacher's Edition. Lessons in the Teacher's Edition include facsimile pages of the Student Edition.

It's on! New *enVisionmath2.0 is* a math program that empowers every teacher and learner. Prioritize learning, emphasize content connections, and invite in-depth student exploration on major topics with the innovative new content organization focused on clusters of Common Core standards within each grade. Get to know the new enVisionmath2.0 program. Fully powered to support print, blended, and 1:1 digital learning experiences.

Effective

Accomplish more, worry less.

The organization promotes focus and coherence every day! The major work at every grade is the priority for earlier in the year, enabling extensive exposure prior to assessments.

- Focuses on Common Core Clusters
- Develops in-depth understanding
- Connects mathematical content and processes

Engaging

Everything right for every learner.

Problem-based learning and visual learning paired with personalized learning! The new enVisionmath2.0 program engages every learner in every way.

- Interactive learning aids and video tutorials
- Personalized practice and immediate feedback
- Built-in RTI activities and supports

Efficient

Comprehensive not complicated.

Everyone craves simplicity. The new enVisionmath2.0 program lets you customize content, auto-assign differentiation, and use assessment data quickly and easily.

- Upload district content or your own content
- Edit lessons, assessments, and resources
- Assess in the format of high-stakes tests

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2.1.K Numbers and Operations	
A) Counting and Cardinality CC.2.1.K.A.1 Know number names and write and recite the count sequence.	Topic 1: Numbers 0 to 5 Topic 3: Numbers 6 to 10 Topic 4: Compare Numbers 0 to 10 Topic 9: Count Numbers to 20 Topic 11: Counting Numbers to 100
CC.2.1.K.A.2 Apply one-to-one correspondence to count the number of objects.	Topic 1: Numbers 0 to 5 Topic 2: Compare Numbers 0 to 5 Topic 3: Numbers 6 to 10 Topic 5: Classify and Count Data Topic 6: Understand Addition Topic 7: Understand Subtraction Topic 8: More Addition and Subtraction Topic 9: Count Numbers to 20 Topic 11: Counting Numbers to 100
CC.2.1.K.A.3 Apply the concept of magnitude to compare numbers and quantities.	Topic 2: Compare Numbers 0 to 5 Topic 4: Compare Numbers 0 to 10
B) Numbers and Operations in Base Ten	
CC.2.1.K.B.1 Use place value to compose and decompose numbers within 19.	Topic 10: Compose and Decompose Numbers 11 to 19
2.2.K Algebraic Concepts	
A) Operations and Algebraic Thinking	
CC.2.2.K.A.1 Extend the concepts of putting together and taking apart to add and subtract within 10.	Topic 6: Understand Addition Topic 7: Understand Subtraction
2.3.K Geometry	
A) Geometry	
CC.2.3.K.A.1 Identify and describe two- and three-dimensional shapes. CC.2.3.K.A.2 Analyze, compare, create, and	Topic 12: Identify and Describe Shapes Topic 13: Analyze, Compare, and Create Shapes Topic 12: Identify and Describe Shapes
compose two- and three-dimensional shapes.	Topic 13: Analyze, Compare, and Create Shapes
2.4.K Measurement, Data, and Probability	
A) Measurement and Data	
CC.2.4.K.A.1 Describe and compare attributes of length, area, weight, and capacity of everyday objects.	Topic 14: Describe and Compare Measureable Attributes
CC.2.4.K.A.4 Classify objects and count the number of objects in each category.	Topic 5: Classify and Count Data

Pennsylvania Core Standards For Mathematics Grade 1	enVisionmath2.0, ©2016 Grade 1
2.1.1 Numbers and Operations	
B) Numbers and Operations in Base Ten	
CC.2.1.1.B.1 Extend the counting sequence to read and write numerals to represent objects.	Topic 2: Develop Fluency: Addition and Subtraction Facts within 10 Topic 3: Addition Facts to 20: Use Strategies Topic 4: Subtraction Facts to 20: Use Strategies Topic 7: Extend the Counting Sequence
CC.2.1.1.B.2 Use place-value concepts to represent amounts of tens and ones and to compare two digit numbers.	Topic 8: Understand Place Value Topic 9: Compare Two-Digit Numbers
CC.2.1.1.B.3 Use place-value concepts and properties of operations to add and subtract within 100.	Topic 10: Use Models and Strategies to Add with Tens and Ones Topic 11: Use Models and Strategies to Subtract Tens
2.2.1 Algebraic Concepts	
A) Operations and Algebraic Thinking	
CC.2.2.1.A.1 Represent and solve problems involving addition and subtraction within 20.	Topic 1: Solve Addition and Subtraction Problems to 10 Topic 2: Develop Fluency: Addition and Subtraction Facts within 10 Topic 3: Addition Facts to 20: Use Strategies Topic 4: Subtraction Facts to 20: Use Strategies
CC.2.2.1.A.2 Understand and apply properties of operations and the relationship between addition and subtraction.	Topic 2: Develop Fluency: Addition and Subtraction Facts within 10 Topic 3: Addition Facts to 20: Use Strategies Topic 4: Subtraction Facts to 20: Use Strategies Topic 5: Work with Addition and Subtraction Equations Topic 10: Use Models and Strategies to Add with Tens and Ones Topic 11: Use Models and Strategies to Subtract Tens
2.3.1 Geometry	
A) Geometry	
CC.2.3.1.A.1 Compose and distinguish between two- and three-dimensional shapes based on their attributes.	Topic 14: Reason with Shapes and Their Attributes
CC.2.3.1.A.2 Use the understanding of fractions to partition shapes into halves and quarters	Topic 15: Equal Shares of Circles and Rectangles

Pennsylvania Core Standards For Mathematics Grade 1	enVisionmath2.0, ©2016 Grade 1
2.4.1 Measurement, Data, and Probability	
A) Measurement and Data	
CC.2.4.1.A.1 Order lengths and measure them both indirectly and by repeating length units.	Topic 12: Measure Lengths
CC.2.4.1.A.2 Tell and write time to the nearest half hour using both analog and digital clocks.	Topic 13: Time
CC.2.4.1.A.4 Represent and interpret data using tables/charts.	Topic 6: Represent and Interpret Data

Pennsylvania Core Standards For Mathematics Grade 2	enVisionmath2.0, ©2016 Grade 2
2.1.2 Numbers and Operations	
B) Numbers and Operations in Base Ten	
CC.2.1.2.B.1 Use place-value concepts to represent amounts of tens and ones and to compare three digit numbers.	Topic 9: Numbers to 1,000
CC.2.1.2.B.2 Use place-value concepts to read, write, and skip count to 1000.	Topic 9: Numbers to 1,000
CC.2.1.2.B.3 Use place-value understanding and properties of operations to add and subtract within 1000.	Topic 10: Add Within 1,000 Using Models and Strategies Topic 11: Subtract Within 1,000 Using Models an Strategies
2.2.2 Algebraic Concepts	
A) Operations and Algebraic Thinking	
CC.2.2.A.1 Represent and solve problems involving addition and subtraction within 100.	Topic 3: Add Within 100 Using Strategies Topic 4: Fluently Add Within 100 Topic 5: Subtract Within 100 Using Strategies Topic 6: Fluently Subtract Within 100 Topic 7: More Solving Problems Involving Addition and Subtraction
CC.2.2.A.2 Use mental strategies to add and subtract within 20.	Topic 1: Fluently Add and Subtract Within 20 (Lesson PA-1)
CC.2.2.A.3 Work with equal groups of objects to gain foundations for multiplication.	Topic 2: Work with Equal Groups
2.3.2 Geometry	
A) Geometry	
CC.2.3.2.A.1 Analyze and draw two- and three-dimensional shapes having specified attributes.	Topic 15: Shapes and Their Attributes (Lesson PA-2)
CC.2.3.2.A.2 Use the understanding of fractions to partition shapes into halves, quarters, and thirds.	Topic 15: Shapes and Their Attributes

Pennsylvania Core Standards For Mathematics Grade 2	enVisionmath2.0, ©2016 Grade 2
2.4.2 Measurement, Data, and Probability	
A) Measurement and Data	
CC.2.4.2.A.1 Measure and estimate lengths in standard units using appropriate tools.	Topic 12: Measuring Length
CC.2.4.2.A.2 Tell and write time to the nearest five minutes using both analog and digital clocks.	Topic 8: Work with Time and Money
CC.2.4.2.A.3 Solve problems and make change using coins and paper currency with appropriate symbols.	Topic 8: Work with Time and Money
CC.2.4.2.A.4 Represent and interpret data using line plots, picture graphs, and bar graphs.	Topic 14: Graphs and Data
CC.2.4.2.A.6 Extend the concepts of addition and subtraction to problem involving length.	Topic 13: More Addition, Subtraction, and Length

Pennsylvania Core Standards For Mathematics Grade 3 2.1.3 Numbers and Operations B) Numbers and Operations in Base Ten CC.2.1.3.B.1 Apply place-value understanding and properties of operations to perform multi-digit arithmetic.	enVisionmath2.0, ©2016 Grade 3 Topic 3: Apply Properties: Multiplication Facts for 3, 4, 6, 7, 8 Topic 4: Use Multiplication to Divide: Division Facts Topic 8: Use Strategies and Properties to Add and Subtract
	Topic 9: Fluently Add and Subtract Within 1,000 Topic 10: Multiply Multiples of 10
C) Numbers and Operations—Fractions	
CC.2.1.3.C.1 Explore and develop an understanding of fractions as numbers.	Topic 12: Understand Fractions as Numbers
2.2.3 Algebraic Concepts	
A) Operations and Algebraic Thinking	
CC.2.2.3.A.1 Represent and solve problems involving multiplication and division. CC.2.2.3.A.2 Understand properties of	Topic 1: Understand Multiplication and Division of Whole Numbers Topic 2: Multiplication Facts: Use Patterns Topic 3: Apply Properties: Multiplication Facts for 3, 4, 6, 7, 8 Topic 4: Use Multiplication to Divide: Division Facts Topic 5: Fluently Multiply and Divide Within 100 Topic 6: Connect Area to Multiplication and Addition Topic 1: Understand Multiplication and
multiplication and the relationship between multiplication and division.	Division of Whole Numbers Topic 2: Multiplication Facts: Use Patterns Topic 3: Apply Properties: Multiplication Facts for 3, 4, 6, 7, 8 Topic 4: Use Multiplication to Divide: Division Facts Topic 5: Fluently Multiply and Divide Within 100 Topic 10: Multiply Multiples of 10
CC.2.2.3.A.3 Demonstrate multiplication and division fluency.	Topic 2: Multiplication Facts: Use Patterns Topic 3: Apply Properties: Multiplication Facts for 3, 4, 6, 7, 8 Topic 4: Use Multiplication to Divide: Division Facts Topic 5: Fluently Multiply and Divide Within 100

Pennsylvania Core Standards For Mathematics Grade 3	enVisionmath2.0, ©2016 Grade 3
A) Operations and Algebraic Thinking (cont	inued)
CC.2.2.3.A.4 Solve problems involving the four operations, and identify and explain patterns in arithmetic.	Topic 1: Understand Multiplication and Division of Whole Numbers Topic 2: Multiplication Facts: Use Patterns Topic 3: Apply Properties: Multiplication Facts for 3, 4, 6, 7, 8 Topic 4: Use Multiplication to Divide: Division Facts Topic 5: Fluently Multiply and Divide Within 100 Topic 6: Connect Area to Multiplication and Addition Topic 8: Use Strategies and Properties to Add and Subtract Topic 11: Use Operations with Whole Numbers to Solve Problems + Lesson PA- 3, Lesson PA-4
2.3.3 Geometry	
A) Geometry CC.2.3.3.A.1 Identify, compare, and classify shapes and their attributes.	Topic 15: Attributes of Two-Dimensional Shapes
CC.2.3.3.A.2 Use the understanding of fractions to partition shapes into parts with equal areas and express the area of each part as a unit fraction of the whole.	Topic 12: Understand Fractions as Numbers

Pennsylvania Core Standards For Mathematics Grade 3	enVisionmath2.0, ©2016 Grade 3
2.4.3 Measurement, Data, and Probability	
A) Measurement and Data	
CC.2.4.3.A.1 Solve problems involving measurement and estimation of temperature, liquid volume, mass, and length.	Topic 14: Solve Time, Capacity, and Mass Problems Topic 16: Solve Perimeter Problems + Lesson PA-8, Lesson PA-9
CC.2.4.3.A.2 Tell and write time to the nearest minute and solve problems by calculating time intervals.	Topic 14: Solve Time, Capacity, and Mass Problems
CC.2.4.3.A.3 Solve problems and make change involving money using a combination of coins and bills.	Topic 14: Solve Time, Capacity, and Mass Problems + Lesson PA-5, Lesson PA-6, Lesson PA-7
CC.2.4.3.A.4 Represent and interpret data using tally charts, tables, pictographs, line plots, and bar graphs.	Topic 7: Represent and Interpret Data + Lesson PA-1 Topic 12: Understand Fractions as Numbers
CC.2.4.3.A.5 Determine the area of a rectangle and apply the concept to multiplication and to addition.	Topic 6: Connect Area to Multiplication and Addition Topic 16: Solve Perimeter Problems + Lesson PA-8, Lesson PA-9
CC.2.4.3.A.6 Solve problems involving perimeters of polygons and distinguish between linear and area measures.	Topic 16: Solve Perimeter Problems + Lesson PA-8, Lesson PA-9

Pennsylvania Core Standards For Mathematics Grade 4	enVisionmath2.0, ©2016 Grade 4
2.1.4 Numbers and Operations	
B) Numbers and Operations in Base Ten	
CC.2.1.4.B.1 Apply place-value concepts to show an understanding of multi-digit whole numbers.	Topic 1: Generalizing Place Value Understanding
CC.2.1.4.B.2 Use place-value understanding and properties of operations to perform multi-digit arithmetic.	Topic 2: Fluently Add and Subtract Multi-Digit Whole Numbers Topic 4: Use Strategies and Properties to Multiply by 2-Digit Numbers
C) Numbers and Operations—Fractions	
CC.2.1.4.C.1 Extend the understanding of fractions to show equivalence and ordering.	Topic 8: Extend Understanding of Fraction Equivalence and Ordering
CC.2.1.4.C.2 Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.	Topic 9: Understand Addition and Subtraction of Fractions Topic 10: Extend Multiplication Concepts to Fractions
CC.2.1.4.C.3 Connect decimal notation to fractions, and compare decimal fractions (base 10 denominator, e.g., 19/100).	Topic 12: Understand and Compare Decimals
2.2.4 Algebraic Concepts	
A) Operations and Algebraic Thinking	
CC.2.2.4.A.1 Represent and solve problems involving the four operations.	Topic 2: Fluently Add and Subtract Multi-Digit Whole Numbers Topic 3 Topic 4: Use Strategies and Properties to Multiply by 2-Digit Numbers Topic 5: Use Strategies and Properties to Divide by 1-Digit Numbers Topic 6: Use Operations with Whole Numbers to Solve Problems + Lesson PA-1 Topic 9: Understand Addition and Subtraction of Fractions Topic 10: Extend Multiplication Concepts to Fractions
CC.2.2.4.A.2 Develop and/or apply number theory concepts to find factors and multiples.	Topic 7: Factors and Multiples
CC.2.2.4.A.4 Generate and analyze patterns using one rule.	Topic 14 Lesson PA-4, Lesson PA-5

Pennsylvania Core Standards For Mathematics Grade 4	enVisionmath2.0, ©2016 Grade 4
2.3.4 Geometry	
A) Geometry	
CC.2.3.4.A.1 Draw lines and angles and identify these in two-dimensional figures.	Topic 15: Geometric Measurement: Understand Concepts of Angles and Angle Measurement Topic 16: Lines, Angles, and Shapes
C.2.3.4.A.2 Classify two-dimensional figures by properties of their lines and angles.	Topic 16: Lines, Angles, and Shapes
CC.2.3.4.A.3 Recognize symmetric shapes and draw lines of symmetry.	Topic 16: Lines, Angles, and Shapes
2.4.4 Measurement, Data, and Probability	
A) Measurement and Data	
CC.2.4.4.A.1 Solve problems involving measurement and conversions from a larger unit to a smaller unit.	Topic 13: Measurement: Find Equivalence in Units of Measure + Lesson PA-3
CC.2.4.4.A.2 Translate information from one type of data display to another.	Topic 11: Represent and Interpret Data on Line Plots
CC.2.4.4.A.4 Represent and interpret data involving fractions using information provided in a line plot.	Topic 11: Represent and Interpret Data on Line Plots + Lesson PA-2
CC.2.4.4.A.6 Measure angles and use properties of adjacent angles to solve problems.	Topic 15: Geometric Measurement: Understand Concepts of Angles and Angle Measurement

Pennsylvania Core Standards For Mathematics Grade 5	enVisionmath2.0, ©2016 Grade 5
2.1.5 Numbers and Operations	
B) Numbers and Operations in Base Ten	
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.	Topic 1: Understand Place Value Topic 2: Add and Subtract Decimals to Hundredths Topic 3: Fluently Multiply Multi-Digit Whole Numbers Topic 4: Use Models and Strategies to Multiply Decimals Topic 5: Divide Whole Numbers
CC.2.1.5.B.2 Extend an understanding of operations with whole numbers to perform operations including decimals.	Topic 2: Add and Subtract Decimals to Hundredths Topic 4: Use Models and Strategies to Multiply Decimals Topic 6: Use Models and Strategies to Divide Decimals Topic 5: Divide Whole Numbers
C) Numbers and Operations—Fractions	
CC.2.1.5.C.1 Use the understanding of equivalency to add and subtract fractions.	Topic 7: Use Equivalent Fractions 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.	Topic 8: Apply Understanding of Multiplication to Multiply Fractions Topic 9: Apply Understanding of Division to Divide Fractions
2.2.5 Algebraic Concepts	
A) Operations and Algebraic Thinking	
CC.2.2.5.A.1 Interpret and evaluate numerical expressions using order of operations.	Topic 13: Algebra: Write and Interpret Numerical Expressions
CC.2.2.5.A.4 Analyze patterns and relationships using two rules.	Topic 15: Algebra: Analyze Patterns and Relationships
2.3.5 Geometry	
A) Geometry	
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.	Topic 14: Graph Points on the Coordinate Plane
CC.2.3.5.A.2 Classify two-dimensional figures into categories based on an understanding of their properties.	Topic 16: Geometric Measurement: Classify Two-Dimensional Figures

Pennsylvania Core Standards For Mathematics Grade 5	enVisionmath2.0, ©2016 Grade 5
2.4.5 Measurement, Data, and Probability	
A) Measurement and Data	
CC.2.4.5.A.1 Solve problems using conversions within a given measurement system.	Topic 11: Convert Measurements
CC.2.4.5.A.2 Represent and interpret data using appropriate scale.	Topic 12: Represent and Interpret Data + Lesson PA-1, Lesson PA-2, Lesson PA-3
CC.2.4.5.A.4 Solve problems involving computation of fractions using information provided in a line plot.	Topic12: Represent and Interpret Data
CC.2.4.5.A.5 Apply concepts of volume to solve problems and relate volume to multiplication and to addition.	Topic 10: Understand Volume Concepts