

Berlin Brothersvalley School District

Berlin Brothersvalley Middle School

Year at a Glance Curriculum

Math Department Math 5th Grade

Course Description:

In 5th grade math, students will engage in math lessons, activities, and games that are aligned with the Pennsylvania State Standards. Students will apply operations with fractions and decimals, find area and volume, plot with coordinate grids, identify attributes of geometrical shapes and use graphs to organize data. Students will demonstrate math skills throughout the course using various forms of technology and various supplemental resources. Please see below for a concise outline of the course.

Units of Study	Competencies	Approximate Timeframe	Standards
Area and Volume	Students will be able to find areas of rectangles with fractional side lengths, explain and apply two different formulas for finding volume of a rectangular prism, and compare volume.	6 weeks	CC.2.4.5.A.5
Multi-digit Multiplication and Multi-digit Division and Powers of Ten	Students will be able to multiply multi-digit numbers by using U.S. traditional multiplication and calculate the power of tens.	5 weeks	CC.2.1.5.B.2 CC.2.2.5.A.1
Fraction Concepts	Students will be able to apply fraction concepts to estimate and assess.	7 weeks	CC.2.4.5.A.4
Decimal Concepts and Coordinate Grids	Students will be able to compare and order decimal concepts and plot points in quadrant one of a coordinate	5 weeks	CC.2.1.5.B.1 CC.2.3.5.A.1

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Operations with Fractions	Students will be able to add, subtract, multiply and divide fractions.	3 weeks	CC.2.1.5.C.1 CC.2.1.5.C.2
Measurement and Decimal Multiplication and Division	Students will be able to convert standard and metric measurement and multiply and divide decimals.	3 weeks	CC.2.4.5.A.1 CC.2.4.5.A.2
Multiplication of Mixed Numbers and Geometry/Graphs	Students will be able to identify and compare two dimensional shapes and interpret line plots and bar graphs.	4 weeks	CC.2.3.5.A.2
Application, Assessment, and Remediation of Math Skills	Students will be able to apply math skills in everyday problems.	3 weeks	CC.2.2.5.A.4

*Please visit pdesas.org for a complete list of standards taught in this course and for more information regarding PA State Standards for this course.

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