



**Penn Manor
School District**

A Better Community...One Student at a Time

PENN MANOR SCHOOL DISTRICT

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An Equal Opportunity Employer

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Superintendent

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Dear Penn Manor Elementary Families,

As many of you noticed, last year our math curriculum changed to align with the PA Common Core standards adopted by the Pennsylvania Department of Education. We have acknowledged that this curriculum is much more challenging and that students are being exposed to difficult math concepts at a much earlier stage and at a much faster pace. Thus, we are doing everything we can to assist your child in understanding and ultimately mastering these concepts.

We also acknowledge that not all children learn in the same way and at the same pace. One of the purposes of this letter is to share with you the resources available to assist your child in mastering these concepts. Each child has a hard copy of the math book as well as access to an on-line book. Some resources for you to consider from the on-line book are instructional and tutor videos, self-check quizzes and extra practice problems specific to the lesson they are currently being taught. Your child's teacher will be sending home your child's login information to access the on-line textbook.

On the back of this letter you will find an overview of the concepts being taught in kindergarten thru sixth grade. At "Meet the Teacher" night, you will have the opportunity to view samples of questions that your child will be expected to master.

I am confident that together we can help your child reach his/her potential. Please feel to contact me with any of your questions or concerns.

Sincerely,



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Grade K

Numbers 0 to 5
Numbers to 10
Numbers Beyond 10
Compose and Decompose Numbers to 10
Addition
Subtraction
Compose and Decompose Numbers 11 to 19
Measurement
Classify Objects
Position
Two-Dimensional Shapes
Three-Dimensional Shapes

Grade 1

Addition Concepts
Subtraction Concepts
Addition Strategies to 20
Subtraction Strategies to 20
Place Value
Two-Digit Addition and Subtraction
Organize and Use Graphs
Measurement and Time
Two-Dimensional Shapes and Equal Shares
Three-Dimensional Shapes

Grade 2

Apply Addition and Subtraction Concepts
Number Patterns
Add Two-Digit Numbers
Subtract Two-Digit Numbers
Place Value to 1000
Add Three-Digit Numbers
Subtract Three-Digit Numbers
Money
Data Analysis
Time
Customary and Metric Lengths
Geometric Shapes and Equal Shares

Grade 3

Place Value
Addition
Subtraction
Understand Multiplication
Understand Division
Multiplication and Division Patterns
Multiplication and Division
Apply Multiplication and Division
Properties and Equations
Fractions
Measurement
Represent and Interpret Data
Perimeter and Area
Geometry

Grade 4

Place Value
Add and Subtract Whole Numbers
Understand Multiplication and Division
Multiply One-Digit Numbers
Multiply Two-Digit Numbers
Divide by a One-Digit Number
Patterns and Sequences
Fractions
Operations with Fractions
Fractions and Decimals
Customary Measurement
Metric Measurement
Perimeter and Area
Geometry

Grade 5

Place Value
Multiply Whole Numbers
Divide by a One-Digit Divisor
Divide by a Two-Digit Divisor
Add and Subtract Decimals
Multiply and Divide Decimals
Expressions and Patterns
Fractions and Decimals
Add and Subtract Fractions
Multiply and Divide Fractions
Measurement
Geometry

Grade 6

Ratios and Rates
Fractions, Decimals, and Percents
Compute with Multi Digit Numbers
Multiply and Divide Fractions
Integers and the Coordinate Plane
Expressions
Equations
Functions and Inequalities
Area
Volume and Surface Area
Statistics and Probability
Statistical Measures
Statistical Displays