

Delran Township Schools K-12 Mathematics Curriculum Map



Kindergarten Through Fifth Grade

| Grade | 1st Trimester | 2nd Trimester | 3rd Trimester |
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| K | <ul style="list-style-type: none"> • Numbers 0 to 5 • Numbers to 10 • Numbers Beyond 10 | <ul style="list-style-type: none"> • Compose and Decompose Numbers to 10 • Addition • Subtraction • Compose and Decompose Numbers 11 to 19 | <ul style="list-style-type: none"> • Measurement • Classify Objects • Position • Two-Dimensional & Three-Dimensional Objects |
| 1 | <ul style="list-style-type: none"> • Addition Concepts • Subtraction Concepts | <ul style="list-style-type: none"> • Addition to 20 • Subtraction to 20 • Place Value | <ul style="list-style-type: none"> • Two-digit addition and subtraction • Organize & Use Graphs • Measurement & Time • Two-Dimensional Shapes & Equal Shares • Three-Dimensional Shapes |
| 2 | <ul style="list-style-type: none"> • Apply Addition and Subtraction Concepts • Number Patterns • Add Two-Digit Numbers | <ul style="list-style-type: none"> • Subtract Two-Digit Numbers • Place Value to 1,000 • Add Three-Digit Numbers | <ul style="list-style-type: none"> • Subtract Three-Digit Numbers • Money • Data Analysis • Geometric Shapes and Equal Shares • Customary and Metric Lengths • Time |

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| 3 | <ul style="list-style-type: none"> ● Place Value ● Addition ● Subtraction ● Understand Multiplication | <ul style="list-style-type: none"> ● Understand Division ● Multiplication and Division Patterns ● Multiplication and Division ● Apply Multiplication and Division ● Properties and Equations | <ul style="list-style-type: none"> ● Perimeter and Area ● Fractions ● Measurement ● Represent and Interpret Data ● Geometry |
| 4 | <ul style="list-style-type: none"> ● Place Value ● Add and Subtract Whole Numbers ● Understand Multiplication and Division ● Multiply with One-Digit Numbers | <ul style="list-style-type: none"> ● Multiply with Two-Digit Numbers ● Divide by a One-Digit Number ● Fractions | <ul style="list-style-type: none"> ● Operations with Fractions ● Fractions and Decimals ● Area & Perimeter ● Geometry ● Customary Measurement ● Metric Measurement |
| 5 | <ul style="list-style-type: none"> ● Place Value ● Multiply Whole Numbers ● Divide by a One Digit Divisor ● Divide by a Two-Digit Divisor | <ul style="list-style-type: none"> ● Add and Subtract Decimals ● Multiply and Divide Decimals ● Expressions and Patterns ● Fractions and Decimals | <ul style="list-style-type: none"> ● Add and Subtract Fractions ● Multiply and Divide Fractions ● Geometry ● Measurement |

**Concepts that appear to be repeated develop from grade level to grade level. For example, you will see “Place Value” listed in multiple grade levels. A first grader will be learning the foundational concepts of hundreds, tens, and ones, a third grader will work with numbers through the thousands, a fourth grader will round and compare numbers through the millions, and a fifth grader will extend and apply place value concepts to include decimals - tenths, hundredths, and thousandths.*

Middle School and High School

| Grade | 1st Marking Period | 2nd Marking Period | 3rd Marking Period | 4th Marking Period |
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| 6 | <ul style="list-style-type: none"> • Ratios and Rates • Fractions, Decimals and Percents • Compute with Multi-Digit Numbers | <ul style="list-style-type: none"> • Multiply and Divide Fractions • Integers and the Coordinate Plane • Expressions | <ul style="list-style-type: none"> • Equations • Functions and Inequalities • Area | <ul style="list-style-type: none"> • Volume and Surface Area • Statistical Measures • Statistical Displays |
| 7 | <ul style="list-style-type: none"> • Ratios and Proportional Reasoning • Percents • Integers | <ul style="list-style-type: none"> • Rational Numbers • Expressions • Equations and Inequalities | <ul style="list-style-type: none"> • Geometric Figures • Measure Figures | <ul style="list-style-type: none"> • Probability • Statistics |
| 8 | <ul style="list-style-type: none"> • Real Numbers • Equations in One Variable | <ul style="list-style-type: none"> • Equations in Two Variables • Functions | <ul style="list-style-type: none"> • Triangles and the Pythagorean Theorem • Transformations • Congruence and Similarity | <ul style="list-style-type: none"> • Volume and Surface Area • Scatter Plots and Data Analysis |
| Algebra I | <ul style="list-style-type: none"> • Solving & Graphing Linear Inequalities • Introduction to Functions | <ul style="list-style-type: none"> • Linear Functions • Exponential, Radical, and Quadratic Functions | <ul style="list-style-type: none"> • Exponential, Radical, and Quadratic Functions, continued | <ul style="list-style-type: none"> • Statistics and Probability |
| Geometry | <ul style="list-style-type: none"> • Geometry Introduction • Logic and Reasoning | <ul style="list-style-type: none"> • Parallel and Perpendicular Lines • Transformations • Congruence | <ul style="list-style-type: none"> • Similarity • Right Triangles • Quadrilaterals | <ul style="list-style-type: none"> • Circles • Area/Surface Area • Volume • Constructions |

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| Algebra II | <ul style="list-style-type: none"> • Equations • Inequalities • Linear Functions | <ul style="list-style-type: none"> • Quadratic Functions • Radical Equations and Inequalities | <ul style="list-style-type: none"> • Polynomial Functions • Rational Expressions and Equations | <ul style="list-style-type: none"> • Probability • Statistics • Sequences and Series |
| Pre-Calculus/ Trigonometry | <ul style="list-style-type: none"> • The Unit Circle • The Functions of Trigonometry | <ul style="list-style-type: none"> • Trigonometric Identities and Equations • Applications of Trigonometric Functions | <ul style="list-style-type: none"> • Polynomial Functions • Rational, Power, and Root Functions | <ul style="list-style-type: none"> • Inverse, Exponential, and Logarithmic Functions • Conic Sections |
| Calculus | <ul style="list-style-type: none"> • Limits | <ul style="list-style-type: none"> • Differentiation | <ul style="list-style-type: none"> • Applications of Differentiation | <ul style="list-style-type: none"> • Integration |

High School Elective Choices

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| Statistics | Foundations of College Math |
| SAT Math Preparation | Algebra Applications & Techniques |

**Please Note: These charts contains a general overview of which concepts are covered in each trimester or marking period throughout the school year. However, the exact pace of each course may vary based on a multitude of factors including course level (on-level or accelerated, CP, Honors, or AP), days school is closed, etc. This means that a concept listed in one marking period may actually flow over into the next, and this is not cause for concern.*