Charting My Progress – with **Grade 3 Math**

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| **Standard** | **Emerging (1)** | **Developing (2)** | **Proficient (3)** | **Distinguished (4)** |
| NNS | I can write and represent six-digit whole numbers with models.I can read and write four-digit whole numbers.I can identify a number greater than, less than, or equal to a whole numberidentify fractions using models. | I can read and write six-digit whole numbers.I can compare whole numbers using words.I can round whole numbers to greatest place value.I can identify and name fractions using models | I can interpret place value for six-digit whole numbers.I can round and compare whole numbers.I can model, name, and compare fractions and mixed numbers. | I can describe place value relationships.I can create number sentences comparing whole numbers or fractions and mixed numbers.I can use models to represent fractions and mixed numbers.I can relate improper fractions to mixed numbers. |
| CE | I can identify related multiplication and division facts.I can recall multiplication facts for 0 and 1.I can recognize multiplication models.I can add and subtract two three-digit whole numbers without regrouping.I can add fractions using models. | I can complete related multiplication and division facts.I can recall some multiplication facts.I can identify multiplication and division facts represented by models.I can identify models representing the sum and difference of two whole numbers.I can add and subtract two whole numbers without regrouping.I can compare the sum and difference of fractions with like denominators using models. | I can add, subtract, multiply, and divide whole numbers to solve single-step problems.I can estimate, add, and subtract whole numbers to solve multistep problems.I can represent multiplication and division facts using models.I can recall multiplication facts (0,1,2,5,10).I can add and subtract proper fractions with like denominators (up to 12) to solve problems. | I can apply related multiplication and division facts to solve practical problems.I can recall, represent, and apply multiplication and division facts.I can create and solve multistep practical problems using sums and differences of whole numbers.I can generalize rules to add and subtract fractions (like denominators) |
| MG | I can identify values of coins and bills.I can count sets of coins and bills up to $2.I can identify words representing units of measure.I can measure length to nearest inch.I can identify hour/minute hands on a clock.I can tell time to nearest hour.I can identify number of days in one week and number of months in one year.I can name a polygon with 3, 4, or 5 sides.I can identify congruent concrete models of geometric figures. | I can count sets of coins and bills.I can measure length to nearest ½-inch.I can count squares to determine area.I can tell time to nearest five minutes.I can identify number of minutes in an hour, hours in a day, and months in a year.I can read temperature to nearest degree on a thermometer.I can identify lines and line segments.I can name polygons.I can identify congruent and noncongruent figures (same orientation). | I can compare values of sets of coins and bills.I can make change from $5 or less.I can measure length, perimeter, and liquid volume.I can find the area of a figure.I can tell time to nearest minute.I can find equivalent periods of time and elapsed time in one-hour increments.I can read temperature to nearest degree, with scale increments of one or two degrees.I can identify points, rays, angles, lines, and line segments.I can name, combine, and subdivide polygons.I can identify congruent and noncongruent figures. | I can compute change from $5.I can determine appropriate units of measure.I can solve problems involving length, liquid volume, perimeter, and area.I can determine elapsed time and equivalent periods of time to solve problems.I can interpret temperature models.I can combine and subdivide polygons and describe the results.I can describe representations of geometric figures |
| PSPFA | I can identify an outcome given a pictorial representation of an event with up to four possible outcomes.I can identify bar graphs/pictographs.I can collect data to answer a question.I can recognize repeating patterns using models.I can identify symbols (= and ≠) used to represent mathematical relationships. | I can identify probabilities with impossible and certain events.I can collect, organize, and read data represented in graphs.I can recognize and describe repeating patterns.I can identify number sentences representing equivalent relationships. | I can identify outcomes and likelihood of an event.I can construct and interpret bar graphs and pictographs.I can describe and extend patterns.I can represent equivalent and non-equivalent relationships with number sentences. | I can analyze outcomes and make predictions for probability scenarios.I can design data investigations.I can analyze graphs, and formulate questions related to graphs.I can create and extend patterns.I can create equations to represent equivalent mathematical relationships. |

Charting My Progress – with **Grade 4 Math**

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| **Standard** | **Emerging (1)** | **Developing (2)** | **Proficient (3)** | **Distinguished (4)** |
| NNS | I identify whole numbers, fractions, and decimals using concrete materials.I name comparison symbols (<, >, =).I round a whole number to the greatest place value. | I identify place and value of digits in whole numbers and decimals.I round and compare whole numbers.I use models to compare decimals or fractions.I identify the fraction bar as a division symbol. | I read, write, round, compare, and order:1. whole numbers,
2. decimals,
3. fractions, and
4. mixed numbers

I represent fraction/fraction and fraction/decimal equivalence.I relate fractions to division. | I apply place value relationships and fraction and decimal equivalence to solve problems involving:1. rounding,
2. comparing, and
3. ordering

with:1. whole numbers,
2. decimals,
3. fractions, and
4. mixed numbers

I can use fraction/decimal and fraction/fraction equivalence to solve problems.I can use division statements and fractions interchangeably to:1. create,
2. represent, and
3. solve problems
 |
| CE | I can add and subtract aligned whole numbers and decimals without regroupingI can add fractions with like denominators | I can recall basic multiplication facts up to 10x10.I can add and subtract decimals that are aligned.I can determine factors and multiples of a number.I can add and subtract fractions with like denominators. | I can recall basic multiplication and division facts.I can add, subtract, multiply, and divide whole numbers to estimate and solve single-step and multistep practical problems.I can add and subtract decimals to estimate and solve single-step and multistep practical problems.I can add and subtract fractions to estimate and solve single-step and multistep practical problems.I can find common multiples and factors of two numbers, including:1. least common multiple and
2. greatest common factor
 | I can apply mathematical properties to create and solve single-and multistep practical problems with:1. whole numbers,
2. decimals, and
3. fractions

I can find least common multiple and greatest common factor of a set of numbers |
| MG | I can recognize units of measure.I can identify time on a digital and an analog clock.I can determine the perimeter or area of a rectangle given a figure with measurements.I can identify concrete models of cubes, cones, cylinders, points, lines, line segments, rays, and angles.I can identify figures that are squares and figures that are not squares | I can measure objects for length, weight, mass, and liquid volume.I can determine elapsed time in hours given beginning and ending times.I can identify squares and rectangles.I can determine perimeter or area of a given square or rectangle with measurements.I can identify solid geometric figures, points, lines, line segments, rays, and angles from pictures.I can identify parallel, perpendicular, and intersecting lines | I can find area and perimeter of rectangles and squares.I can estimate measures.I can measure objects.I can solve practical problems given unit measure involving:1. length,
2. weight,
3. mass, and
4. liquid volume

I can find elapsed time in hours and minutes.I can describe and contrast characteristics of solid and plane geometric figures.I can classify quadrilaterals | I can solve practical area and perimeter problems.I can apply equivalent measures to solve practical problems involving:1. length,
2. weight,
3. mass, and
4. liquid volume

I can solve practical problems involving elapsed time.I can compare, contrast, and create representations of solid and plane figures.I can compare and contrast quadrilaterals. |
| PSPFA | I can identify events that are "certain" and "impossible" to occur.I can identify a bar graph and a line graph.I can identify repeating patterns using models or concrete materials.I can identify that an equation must have an equal sign. | I can identify an event’s likelihood.I can match a probability event represented in a picture to its fractionequate "0" with an impossible event and "1" with a certain event.I can construct and display data in bar graphs and line graphs.I can match data to graphs.I can identify and extend repeating patterns using models.I can determine if two numerical expressions are equal. | I can describe outcomes of events.I can represent probability using: 1. words,
2. fractions,
3. number lines, and
4. models

I can construct, organize, and interpret bar graphs and line graphs.I can compare representations of the same data.I can recognize and extend numerical and pictorial patterns.I can demonstrate equality in equations. | I can evaluate experiments to determine and represent probability using:1. likelihood,
2. fractions,
3. number lines,
4. models, and
5. practical problems

I can analyze different representations of the same data to solve problems.I can analyze and extend numerical patterns.I can represent equivalent relationships in equations |

Charting My Progress – with **Grade 5 Math**

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| **Standard** | **Emerging (1)** | **Developing (2)** | **Proficient (3)** | **Distinguished (4)** |
| NNS | I can round whole numbers.I can compare and order fractions with like denominators.I can compare decimals with the same number of place values represented.I can identify single-digit odd and even numbers. | I can round decimals to the nearest tenth.I can compare and order decimals.I can compare and order fractions.I can use manipulatives to represent equivalent fractions and decimals.I can identify prime and composite numbers less than 20. | I can round decimals to the nearest whole number, tenth, and hundredth.I can compare and order fractions and decimals.I can identify fraction/decimal equivalence.I can describe odd, even, prime, and composite numbers and describe the sum or difference as odd/even. | I can round decimals to the nearest whole number, tenth, and hundredth.I can represent and compare fraction/decimal relationships, including repeating decimals.I can explain prime, composite, even, and odd numbers and describe the sum or difference as odd/even. |
| CE | I can add, subtract, multiply and divide whole numbers to solve equations.I can add and subtract simple fractions with like denominators.I can list the order of operations. | I can add, subtract, multiply and divide whole numbers.I can add and subtract decimals.I can add and subtract simple fractions.I can identify the first step when using the order of operations. | I can add, subtract, multiply and divide decimals.I can add and subtract fractions and mixed numbers.I can multiply a whole number by a fraction.I can simplify numerical expressions using order of operations. | I can create and solve practical problems with:1. whole numbers,
2. decimals,
3. fractions, and
4. mixed numbers

I can simplify numerical expressions having parentheses using order of operations. |
| MG | I can identify:1. squares,
2. rectangles, and
3. triangles

I can calculate perimeter and area of:1. squares and
2. rectangles

I can identify parts of a circle.I can determine elapsed time to the nearest hour.I can identify right and straight angles.I can recognize congruent transformations. | I can calculate perimeter and area of:1. squares,
2. rectangles, and
3. triangles

I can describe parts of a circle.I can determine elapsed time to the nearest quarter hour.I can measure angles.I can identify:1. acute,
2. obtuse,
3. right, and
4. straight angles

I can identify translations and reflections. | I can find area and perimeter of:1. squares,
2. rectangles, and
3. triangles

I can find volume of rectangular solids.I can identify equivalent metric measurements.I can describe the relationship between parts of a circle.I can determine elapsed time to the nearest minute.I can measure angles.I can classify angles and trianglesI can identify transformations. | I solve practical problems involving area and perimeter of plane figures.I can solve practical problems involving volume of rectangular solids.I can use relationships between parts of a circle to determine unknown measures.I can solve elapsed time practical problems.I can determine unknown angle measures in triangles.I can apply transformations..I can subdivide and combine polygons. |
| PSPFA | I can display data in charts and tables.I can understand that mean is a fair share.I can recognize patterns in shapes or pictures.I can identify the variable in an expression. | I can identify equally likely events.I can display data.I can determine mean and mode.I can identify patterns.I can identify variables in expressions and equations. | I can construct:1. charts,
2. tables,
3. stem-and-leaf plots, and
4. line plots

I can determine mean, median, mode, and range.I can subdivide and combine polygons.I can apply the Fundamental Counting Principle or construct a sample space to determine probability.I can extend patterns.I can represent mathematical relationships with a variable in expressions and equations. | I can determine probability using Fundamental Counting Principal or sample space.I can interpret data represented in stem-and-leaf plots and line plots.I can determine mean, median, mode, and range.I can solve practical problems using patterns.I can use variables and equations to represent mathematical relationships.I can create word problems to represent a given equation. |

Charting My Progress – with **Grade 6 Math**

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| **Standard** | **Emerging (1)** | **Developing (2)** | **Proficient (3)** | **Distinguished (4)** |
| NNS | I can define ratio as the comparison of two quantities.I can use a pictorial model to represent numbers in fraction, decimal, or percent form.I can identify positive and negative numbers on a number line.I can identify powers of ten by recognizing patterns.I can identify the base and exponent of an exponential expression.I can use inequality symbols to represent the relationship between integers modeled on a number line. | I can recognize ratios using fractions, colons, or the word *to* represent equivalencies between decimals, fractions, and percents.I can represent integers on a number line. I can identify the absolute value of whole numbers.I can represent an exponential as repeated multiplication.I can use manipulatives to identify perfect squares. | I can compare quantities with ratio notation. I can compare and order integers and positive rational numbers. I can describe equivalencies among decimals, fractions, and percents using various representations and symbols.I can describe absolute value of integers. I can represent patterns with exponents and perfect squares. | I can apply ratios to practical problems.I can compare and order positive rational numbers, including percents written in fraction and decimal form. I can apply integers and absolute value to a practical context. I can model perfect squares.I can identify two or more ways to represent a given number using exponents.  |
| CE | I can add, subtract, multiply, and divide basic fractions.I can define the order of operations process used for simplifying numerical expressions.I can use manipulatives to add integers. | I can add, subtract, multiply, and divide proper fractions. I can apply the order of operations to simplify a whole number expression.I can use manipulatives to add and subtract integers.  | I can model the product and quotient of fractions and mixed numbers. I can multiply/divide mixed numbers.I can solve multistep practical problems involving fractions, mixed numbers, and decimals.I can simplify numerical expressions involving integers. | I can solve multistep practical problems involving fractions, mixed numbers, decimals, and integers. |
| MG | I can define 3.14 and 22/7 as approximations for pi.I can identify the origin and x- and y-axis on the coordinate plane.I can find the perimeter of a labeled figure. I can identify polygons as congruent or not congruent. | I can identify relationships between parts of a circle and define pi as a ratio. I can apply formulas to problems involving area and perimeter of rectangles and triangles.I can identify the coordinates of a point and the four quadrants. I can verify the congruence of polygons and angles.I can identify a line of symmetry, | I can solve practical problems involving the area and perimeter of rectangles and triangles.I can solve practical problems involving the circumference and area of circles.I can use coordinates to graph points and identify the corresponding quadrant and axis.I can identify regular polygons and lines of symmetry.I can determine congruence of segments, angles, and polygons. | I can describe and explain the derivation of pi. I can solve multistep practical problems involving the area and perimeter of rectangles and triangles.I can solve multistep practical problems involving circumference and area of circles. I can describe relative locations of points in a coordinate plane.I can describe corresponding parts of a figure that is congruent to a given figure.  |
| PSPFA | I can read data represented in bar graphs, line graphs, and circle graphs.I can define mean as an average.I can find a missing value in a ratio table when given the unit rate.I can describe an algebraic expression. | I can interpret data represented in a circle graph.I can describe the three measures of center.I can determine whether a proportional relationship exists between two quantities.I can solve one-step equations with models.I can describe the solution set to an inequality. | I can create circle graphs and make predictions.I can represent the mean and the effect of adding, removing, or changing one value in a data set.I can represent a proportional relationship from a practical situation, table, and graph.I can make connections between two proportional relationships.I can solve one-step linear equations.I can solve and graph one-step inequalities. | I can create circle graphs to represent practical situations.I can solve practical problems using circle graphs and relate circle graphs to other types of graphs.I can solve practical problems involving changes in data and measures of center. I can apply proportional relationships to solve practical problems.I can solve practical problems using linear equations.I can represent and graph practical problems using inequalities. |

Charting My Progress – with **Grade 7 Math**

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| **Standard** | **Emerging (1)** | **Developing (2)** | **Proficient (3)** | **Distinguished (4)** |
| NNS/CE | I can identify negative powers of ten for numbers between zero and one.I can identify numbers in scientific notation, perfect squares, and the absolute value of a whole number.I can add, subtract, multiply, and divide rational numbers expressed in the same format.I can identify equivalent ratios. | I can identify the decimal or fraction equivalent of negative powers of ten. I can compare and order fractions, decimals, and percents.I can compare two numbers written in scientific notation. I can identify perfect squares to 100.I can determine the absolute value of an integer. I can solve practical problems involving whole numbers and decimals.I can write a proportion to represent a practical proportional relationship. | I can represent negative powers of ten in fraction and decimal form.I can represent numbers in scientific notation.I can compare and order rational numbers.I can identify perfect squares from 0 to 400.I can describe and determine absolute value of rational numbers.I can solve practical problems involving rational numbers.I can use proportional reasoning to solve problems. | I can convert between numbers written in scientific notation, fraction, and decimal form.I can compare, order, and solve practical problems involving rational numbers.I can apply knowledge of perfect squares and square roots.I can use absolute value to solve practical problems.I can apply proportional reasoning to solve multistep practical problems. |
| MG | I can determine the volume of a prism or cylinder when given a labeled figure.I can identify corresponding parts of similar quadrilaterals and triangles.I can identify and sort types of quadrilaterals when given figures.I can distinguish between a translation and a reflection of a figure. | I can determine the volume of prisms and cylinders when given a figure.I can write similarity statements to represent corresponding parts of similar quadrilaterals and triangles.I can identify characteristics of parallelograms, rectangles, rhombi, and trapezoids.I can identify the image of a figure that has been translated or reflected. | I can describe and determine the volume and surface area of prisms and cylinders.?I can solve practical problems involving prisms and cylinders.I can determine missing side lengths and angles of similar quadrilaterals and triangles.I can sort and classify quadrilaterals based on their characteristics.I can sketch a right triangle or rectangle that has been reflected and/or translated. | I can solve practical problems involving applications of surface area and volume of prisms and cylinders.I can solve practical problems involving similar quadrilaterals and triangles.I can compare and contrast quadrilaterals based on their properties.I can apply translations and reflections to a right triangle or rectangle. |
| PS/PFA | I can construct a histogram when given predetermined intervals.I can identify *m* as the slope in *y = mx* and *b* as the y-intercept in*y = x + b* equations.I can evaluate expressions given one whole number replacement value, with operations limited to addition, subtraction, multiplication, and division.I can identify the first step used to solve a two-step linear equation and a one- or two-step inequality. | I can compute theoretical and experimental probabilities.I can construct and identify data in a histogram.I can determine the slope or y-intercept of a graphed line or a given equation.I can evaluate expressions for given integer replacement values.I can solve two-step linear equations and one-step inequalities limited to whole number coefficients, constants, and solutions. | I can determine theoretical and experimental probability.I can analyze histograms.I can determine the slope and y-intercept from a table or graph and write the related equation.I can graph lines given slope and y-intercept.I can evaluate expressions for given rational number replacement values.I can solve two-step linear equations and one- and two-step linear inequalities. | I can describe the difference between experimental and theoretical probability.I can make comparisons and inferences when given a histogram and other graphical representations of the same data set.I can graph linear equations in the form *y = mx* and *y = x + b* and make connections among multiple representations.I can evaluate multistep expressions with three replacement values.I can solve linear equations and inequalities and graph solutions to inequalities. |

Charting My Progress – with **Grade 8 Math**

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| **Standard** | **Emerging (1)** | **Developing (2)** | **Proficient (3)** | **Distinguished (4)** |
| NNS/CE | I can compare fractions and decimals.I can identify natural numbers, whole numbers, and integers.I can use manipulatives to recognize perfect squares.I can solve practical problems involving fractions, decimals, and integers. | I can compare and order rational numbers.I can identify natural numbers, whole numbers, and integers.I can determine the positive square root of a perfect square.I can solve practical problems involving rational numbers, percents, and proportions. | I can compare and order real numbers.I can classify numbers belonging to subsets of real numbers.I can compute percent increase and percent decrease.I can determine between which two integers a square root lies.I can solve practical consumer application problems. | I can describe differences among and discriminate between numbers in the subsets of real numbers.I can solve practical problems involving simple interest and new balance of investments and loans.  |
| MG | I can define and recognize acute, obtuse, right, and straight angles.I can determine the areas of circles, triangles, and rectangles.I can determine the volume/surface area of a rectangular prism given a labeled figure.I can identify the image of a polygon resulting from a single transformation.I can use manipulatives to describe the views (top/front/side) of a three-dimensional figure.I can define the Pythagorean Theorem. | I can recognize and determine supplementary and complementary angles.I can determine the volume and surface area of cones and square based pyramids.I can identify and apply translations and reflections of right triangles and rectangles.I can identify a 3D model given 2D views.I can label hypotenuse and legs of a right triangle. | I can describe relationships among angles.I can solve practical problems involving volume and surface area of cones and pyramids.I can describe effect of changing one attribute of rectangular prism.I can apply transformations to polygons.I can construct 3D models from 2D views.I can apply Pythagorean Theorem to determine the unknown side of a right triangle.I can determine the area and perimeter of composite figures. | I can solve practical problems involving angle relationships.I can solve practical problems involving surface area and volume problems with cones and pyramids.I can describe how changing one dimension of a rectangular prism affects volume and surface area.I can describe how transformation affects congruency, orientation, location, and symmetry of an image.I can identify and generate practical applications of transformationssolve problems using Pythagorean Theorem.I can apply perimeter, circumference, and area formulas to solve practical problems involving composite figures. |
| PS/PFA | I can determine the probability of a simple event.I can name the dependent and independent variables represented in a scatterplot.I can apply the order of operations to numerical expressions.I can simplify algebraic expressions using manipulatives.I can define domain and range.I can recognize the slope of a linear function as positive, negative, or zero.I can make connections between tables and ordered pairs.I can represent two-step linear equations using pictorial representations.I can solve and graph one-step linear inequalities. | I can determine probability of two independent events.I can define a dependent event.I can represent data in boxplots and scatterplots.I can apply order of operations.I can simplify algebraic expressions.I can determine independent and dependent variables from ordered pairs or a table of values.I can identify the slope and *y*-intercept of an equation in *y = mx + b* form.I can graph linear equations given a table.I can make connections between graphs and tables.I can solve two-step linear equations.I can solve and graph two-step linear inequalities. | I can determine probability of two independent and dependent events.I can make inferences from boxplots.I can construct scatterplots to determine line of best fit.I can evaluate algebraic expressions.I can determine domain/range and if a function exists.I can determine the independent and dependent variable from practical linear situations.I can identify slope and *y*-intercept given a table and graph.I can graph linear equations in*y = mx + b* form.I can make connections among various forms of linear functions.I can graph and solve multistep linear equations and inequalities. | I can compare and contrast probability of independent and dependent events.I can compare and analyze two data sets using boxplots.I can compare different representations of the same relation.I can differentiate between independent and dependent variables.I can write a linear equation given slope and *y*-intercept or a practical linear situation.I can solve practical problems involving multistep linear equations and inequalities.I can differentiate between the solution of an equation and solutions of an inequality. |

Charting My Progress – with **Algebra I**

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| **Standard** | **Developing (1)** | **Proficient (2)** | **Distinguished (3)** |
| Expressions/ Operations | I can identify verbal phrases that represent algebraic expressions.I can substitute values into expressions.I can identify the square root of a perfect square.I can identify the cube root of a perfect cube.I can represent polynomial expressions using concrete and pictorial representations.I can add/subtract polynomials. I can add/subtract two monomial radicals with like radicands.I can factor a numerical greatest common factor from a polynomial expression | I can translate between verbal and algebraic expressions.I can evaluate expressions for given replacement values.I can simplify square roots of whole numbers and monomial expressions.I can simplify cube roots of integers.I can perform operations on two monomial radical expressions.I can determine sums, differences, and products of polynomial expressions and quotients using a monomial, binomial, or factored divisor.I can factor polynomial expressions. | I can represent and evaluate practical quantitative situations verbally and algebraically.I can simplify and perform operations on monomial and polynomial expressions, including monomial expressions that contain square or cube roots with leading coefficients.I can factor and verify algebraic factorizations of polynomial expressions. |
| Equations/ Inequalities | I can identify solution(s) to:* 1. systems of linear equations graphically, and
	2. systems of linear inequalities graphically

I can identify solution(s), given a graph, to a* 1. linear equation,
	2. linear inequality, and
	3. quadratic equation

I can identify the slope and y-intercept given:* 1. the graph of the line,
	2. two points on a graph, or
	3. the equation of the line in slope-intercept form

I can write the equation of the line in slope-intercept form given the graph of the line.I can graph a line given the equation in slope-intercept form. | I can solve:1. multistep linear equations,
2. linear inequalities,
3. quadratic equations,
4. systems of linear equations,
5. systems of linear inequalities, and
6. one or two-step literal equations

I can represent practical situations involving:1. systems of linear equations, and
2. systems of linear inequalities

I can graph a linear equationwrite the equation of a line given:1. the graph,
2. two points, and
3. a point and slope
 | I can solve practical problems involving:1. multistep linear equations,
2. linear inequalities,
3. literal equations,
4. quadratic equations,
5. systems of linear equations, and
6. systems of linear inequalities

I can describe the effects of linear function transformations defined by changes in the slope or the y-intercept.I can write the equation of a line given:1. the graph,
2. two points, and
3. a point and slope

I can graph a linear equation to represent a practical situation |
| Functions/ Statistics | I can identify a direct variation from a graph.I can use a line of best fit to interpret a set of data.I can determine the domain and range of a discrete function.I can determine whether a relation is a function. | I can determine characteristics of linear and quadratic functions, including:1. domain,
2. range,
3. zeros, and
4. x- and y-intercepts

I can determine the curve of best fit for a set of data.I can analyze a relation to determine direct or inverse variation.I can identify multiple representations of functions. | I can analyze characteristics of linear and quadratic functions that involve or describe practical situations including:1. domain,
2. range,
3. zeros, and
4. x- and y-intercepts

I can analyze models of direct and inverse variation to generate conclusions from practical situations.I can model and make predictions for a set of data using the curve of best fit.I can make connections among multiple representations of functions. |

Charting My Progress – with **Geometry**

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| **Standard** | **Developing (1)** | **Proficient (2)** | **Distinguished (3)** |
| Reasoning, Lines, Trans. | I can match a verbal argument to symbolic form.I can write the converse of a conditional statement.I can recognize angle relationships formed by two parallel lines and a transversal.I can recognize basic constructions identify transformations of figures on a grid. | I can determine validity of a logical argument.I can solve problems involving angles formed by parallel lines intersected by a transversa.I can complete basic constructions.I can use algebraic and coordinate methods to solve problems and prove lines parallel and perpendicular.I can apply transformations and combinations of transformations. | I can analyze logical arguments using deductive reasoning.I can apply Euclidean methods to complete multistep constructions.I can integrate multiple analytical skills, including algebraic operations, to solve problems and/or complete multistep proofs involving:1. parallel and perpendicular lines,
2. angles formed by parallel lines and transversals, and
3. combinations of transformations
 |
| Triangles | I can recognize congruence given measurements of two triangles.I can recognize similarity given measurements of two triangles.I can apply Pythagorean Theorem to determine existence of a right triangle.  | I can compare and order sides and angles in a triangle.I can find a range of values for a missing side in a triangle.I can use algebraic and coordinate methods to solve problems and complete deductive proofs involving:1. similar triangles,
2. congruent triangles, and
3. right triangles (including trigonometric functions)
 | I can integrate multiple analytical skills, including algebraic operations, to solve problems and/or complete multistep proofs involving:1. congruent triangles,
2. similar triangles, and
3. right triangles (including trigonometric functions)
 |
| Polygons, Circles, 3-D Figures | I can identify the center, radius, and diameter given the: 1. equation of a circle, and
2. graph of a circle

I can identify properties of quadrilaterals.I can compare interior and exterior angles of polygons.I can recognize relationships between attributes of similar two-dimensional and three-dimensional figures. | I can use algebraic and coordinate methods to solve problems and complete deductive proofs involving:1. quadrilaterals,
2. polygons, and
3. parts of circles (including chords, secants, and tangents)

I can solve problems using attributes of two-dimensional and three-dimensional figures, including characteristics of similarity. | I can integrate multiple analytical skills, including algebraic operations, to solve problems and/or complete multistep proofs involving:1. quadrilaterals,
2. polygons, and
3. parts of circles (including chords, secants, and tangents)

I can solve multistep problems involving two-dimensional and three-dimensional figures, including characteristics of similarity. |

Charting My Progress – with **Algebra II**

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| **Standard** | **Developing (1)** | **Proficient (2)** | **Distinguished (3)** |
| Expressions/ Operations | I can add, subtract, and simplify:1. radical expressions, and
2. polynomial expressions

I can add and subtract:1. complex numbers having like denominators, and
2. rational expressions having like denominators

I can factor polynomials without a greatest common factor (limited to three terms). | I can simplify and perform operations on:1. complex numbers,
2. radical expressions,
3. rational expressions, and
4. polynomial expressions.

I can factor polynomials. | I can apply multistep simplification and perform operations on:1. complex numbers,
2. radical expressions,
3. rational expressions, and
4. polynomial expressions

I can discriminate between methods to efficiently factor polynomials that require multiple steps. |
| Equations/ Inequalities | I can find solutions from graphs of:1. equations,
2. inequalities, and
3. nonlinear systems of equations
 | I can solve equations including:1. absolute value,
2. quadratic,
3. radical,
4. rational equations, and
5. nonlinear systems

I can solve absolute value linear inequalities. | I can interpret, model, and solve practical problems using:1. equations,
2. inequalities, and
3. nonlinear systems of equations
 |
| Functions/ Statistics | I can identify characteristics of a function and its family including:1. zeros,
2. intercepts, and
3. values

I can identify curves of best fit for a data set.I can identify whether a situation can be represented by a direct or inverse variation.I can identify a permutation and combination. I can identify properties of a normal distribution. I can find the *n*th term or write the first *n* terms of an arithmetic or geometric sequence. I can identify the graphs of parent functions. | I can determine characteristics of a function, including:1. zeros,
2. intercepts,
3. factors of polynomial expressions,
4. domain, range, continuity, and discontinuity,
5. interval behavior,
6. asymptotes, and
7. extrema

I can make connections among multiple representations of a function.I can analyze transformations of parent functions.I can determine curves of best fitsolve problems involving:1. permutations and combinations, and
2. joint, inverse, or a combination of variations

I can solve problems and compare normally distributed data sets using:1. mean,
2. standard deviation, and
3. z-scores

I can determine the *n*th term and write the first *n* terms of an arithmetic or geometric sequence.I can determine the sum of an arithmetic or geometric series and the sum of a convergent infinite series. | I can analyze characteristics of functions that involve or describe practical situations including:1. zeros,
2. intercepts,
3. factors of polynomial expressions,
4. domain, range, continuity, and discontinuity,
5. interval behavior,
6. asymptotes, and
7. extrema

I can make connections among multiple representations of a function.I can analyze transformations of parent functions. I can determine and interpret curves of best fit.I can solve practical problems involving:1. permutations and combinations, and
2. joint, inverse, or a combination of variations

I can apply properties to find the probability associated with areas under the normal curve given practical situations. I can use z-scores to compare data model and solve practical problems using sequences and series.  |