Draft M1 Curriculum

1. Equations
    - Solving Simple Equations
    - Solving Multi-Step Equations
    - Solving Equations with Variables on Both Sides
    - Rewriting Equations and Formulas
2. Transformations
    - Congruent Figures
    - Translations
    - Reflections
    - Rotations
    - Similar Figures
    - Perimeters and Areas of Similar Figures
    - Dilations
3. Angles and Triangles
    - Parallel Lines and Transversals
    - Angles of Triangles
    - Angles of Polygons
    - Using Similar Triangles
4. Graphing and Writing Linear Equations
    - Graphing Linear Equations
    - Slope of a Line
    - Slopes of Parallel and Perpendicular Lines
    - Graphing Proportional Relationships
    - Graphing Linear Equations in Slope-Intercept Form
    - Graphing Linear Equations in Standard Form
    - Writing Equations in Slope-Intercept Form
    - Writing Equations in Point-Slope Form
5. Systems of Linear Equations
    - Solving Systems of Linear Equations by Graphing
    - Solving Systems of Linear Equations by Substitution
    - Solving Systems of Linear Equations by Elimination
    - Solving Special Systems of Linear Equations
    - Solving Linear Equations by Graphing
6. Functions
    - Relations and Functions
    - Representations of Functions
    - Linear Functions
    - Comparing Linear and Nonlinear Functions
    - Analyzing and Sketching Graphs
7. Real Numbers and the Pythagorean Theorem
    - Finding Square Roots
    - Finding Cube Roots
    - The Pythagorean Theorem
    - Approximating Square Roots
    - Repeating Decimals
    - Using the Pythagorean Theorem
8. Volume and Similar Solids
    - Volumes of Cylinders
    - Volumes of Cones
    - Volumes of Spheres
    - Surface Areas and Volumes of Similar Solids

9. Data Analysis and Displays
    - Scatter Plots
    - Lines of Fit
    - Two-Way Tables
    - Choosing a Data Display

10. Exponents and Scientific Notation
    - Exponents
    - Product of Powers Property
    - Quotients of Powers Property
    - Zero and Negative Exponents
    - Reading Scientific Notation
    - Writing Scientific Notation
    - Operations in Scientific Notation

11. Inequalities
    - Writing and Graphing Inequalities
    - Solving Inequalities Using Addition or Subtraction
    - Solving Inequalities Using Multiplication or Division
    - Solving Two-Step Inequalities

12. Constructions and Scale Drawings
    - Adjacent and Vertical Angles
    - Complementary and Supplementary Angles
    - Triangles
    - Angle Measures of Triangles
    - Quadrilaterals
    - Scale Drawings

13. Circles and Area
    - Circles and Circumference
    - Perimeters of Composite Figures
    - Areas of Circles
    - Areas of Composite Figures

14. Surface Area and Volume
    - Surface Area of Prisms
    - Surface Area of Pyramids
    - Surface Area of Cylinders
    - Volume of Prisms
    - Volume of Pyramids
    - Cross Sections of Three-Dimensional Figures

15. Probability and Statistics
    - Outcomes and Events
    - Probability
    - Experimental and Theoretical Probability
    - Compound Events
    - Independent and Dependent Events
    - Simulations
    - Samples and Populations
    - Generating Multiple Samples
    - Comparing Populations