Algebra 1 Cluster Designations

The Mathematics Florida Standards emphasize the teaching and learning of mathematical concepts focused around major clusters at each grade level, which are enhanced by supporting and additional clusters. The table below shows the cluster designations for Algebra 1. Refer to the Algebra 1 Course Description for the specific standards within each of these clusters.

Major Clusters	Supporting Clusters	Additional Clusters
MAFS.912.N-RN.1 Extend the properties of exponents to rational exponents. MAFS.912.A-APR.1 Perform arithmetic operations on polynomials. MAFS.912.A-CED.1 Create equations that describe numbers or relationships. MAFS.912.A-REI.1 Understand solving equations as a process of reasoning and explain the reasoning. MAFS.912.A-REI.2 Solve equations and inequalities in one variable. MAFS.912.A-REI.4 Represent and solve equations and inequalities graphically. MAFS.912.A-SSE.1 Interpret the structure of expressions. MAFS.912.F-IF.1 Understand the concept of a function and use function notation. MAFS.912.F-IF.2 Interpret functions that arise in applications in terms of the context. MAFS.912.S-ID.3 Interpret linear models.	MAFS.912.N-Q.1 Reason quantitatively and use units to solve problems. MAFS.912.A-APR.2 Understand the relationship between zeros and factors of polynomials. MAFS.912.A-SSE.2 Write expressions in equivalent forms to solve problems. MAFS.912.F-BF.1 Build a function that models a relationships between two quantities. MAFS.912.F-IF.3 Analyze functions using different representations. MAFS.912.F-LE.1 Construct and compare linear, quadratic, and exponential models and solve problems. MAFS.912.F-LE.2 Interpret expressions for functions in terms of the situation they model. MAFS.912.S-ID.2 Summarize, represent, and interpret data on two categorical and quantitative variables.	MAFS.912.N-RN.2 Use properties and rational and irrational numbers. MAFS.912.A-REI.3 Solve systems of equations. MAFS.912.F-BF.2 Build new functions from existing functions. MAFS.912.S-ID.1 Summarize, represent, and interpret data on a single count or measurement variable.

Note: Clusters should not be sorted from major to supporting and then taught in that order. To do so would strip the coherence of the mathematical ideas and miss the opportunity to enhance the major work of the grade with the supporting and additional clusters.

Geometry Cluster Designations

The Mathematics Florida Standards emphasize the teaching and learning of mathematical concepts focused around major clusters at each grade level, which are enhanced by supporting and additional clusters. The table below shows the cluster designations for Geometry. Refer to the Geometry Course Description for the specific standards within each of these clusters.

Major Clusters	Supporting Clusters	Additional Clusters
MAFS.912.G-CO.2 Understand congruence in terms of rigid motions. MAFS.912.G-CO.3 Prove geometric theorems. MAFS.912.G-SRT.1 Understand similarity in terms of similarity transformations. MAFS.912.G-SRT.2 Prove theorems involving similarity. MAFS.912.G-SRT.3 Define trigonometric ratios and solve problems involving right triangles. MAFS.912.G-GPE.2 Use coordinates to prove simple geometric theorems algebraically. MAFS.G-MG.1 Apply geometric concepts in modeling situations.	MAFS.912.G-CO.1 Experiment with transformations in the plane. MAFS.G-CO.4 Make geometric constructions.	MAFS.912.G-C.1 Understand and apply theorems about circles. MAFS.912.G-C.2 Find arc lengths and areas of sectors of circles. MAFS.912.G-GPE.1 Translate between the geometric description and the equation of a conic section. MAFS.912.G-GMD.1 Explain volume formulas and use them to solve problems. MAFS.912.G-GMD.2 Visualize relationships between two-dimensional and three-dimensional objects.

Note: Clusters should not be sorted from major to supporting and then taught in that order. To do so would strip the coherence of the mathematical ideas and miss the opportunity to enhance the major work of the grade with the supporting and additional clusters.