Kindergarten 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 Kindergarten Mathematics. Refer to the Kindergarten Course Description for the specific standards within each of these clusters.

Major Clusters	Supporting Clusters	Additional Clusters
MAFS.K.CC.1 Know number names and the count sequence. MAFS.K.CC.2 Count to tell the number of objects. MAFS.K.CC.3 Compare numbers. MAFS.K.OA.1 Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from. MAFS.K.NBT.1 Work with numbers 11-19 to gain foundations for place value.	MAFS.K.MD.2 Classify objects and count the number of objects in each category. MAFS.K.G.2 Analyze, compare, create, and compose shapes.	MAFS.K.MD.1 Describe and compare measurable attributes. MAFS.K.G.1 Identify and describe shapes (squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres).

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.

Grade 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 Grade 1 Mathematics. Refer to the Grade 1 Course Description for the specific standards within each of these clusters.

Major Clusters	Supporting Clusters	Additional Clusters
MAFS.1.OA.1 Represent and solve problems involving addition and subtraction. MAFS.1.OA.2 Understand and apply properties of operations and the relationship between addition and subtraction. MAFS.1.OA.3 Add and subtract within 20. MAFS.1.OA.4 Work with addition and subtraction equations. MAFS.1.NBT.1 Extend the counting sequence. MAFS.1.NBT.2 Understand place value. MAFS.1.NBT.3 Use place value understanding and properties of operations to add and subtract. MAFS.1.MD.1 Measure lengths indirectly and by iterating length units.	MAFS.1.MD.3 Represent and interpret data.	MAFS.1.MD.2 Work with time and money. MAFS.1.G.1 Reason with shapes and their attributes.

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.

Grade 2 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 Grade 2 Mathematics. Refer to the Grade 2 Course Description for the specific standards within each of these clusters.

Major Clusters	Supporting Clusters	Additional Clusters
MAFS.2.OA.1 Represent and solve problems involving addition and subtraction. MAFS.2.OA.2 Add and subtract within 20. MAFS.2.NBT.1 Understand place value. MAFS.2.NBT.2 Use place value understanding and properties of operations to add and subtract. MAFS.2.MD.1 Measure and estimate lengths in standard units. MAFS.2.MD.2 Relate addition and subtraction to length.	MAFS.2.OA.3 Work with equal groups of objects to gain foundations for multiplication. MAFS.2.MD.3 Work with time and money. MAFS.2.MD.4 Represent and interpret data.	MAFS.2.G.1 Reason with shapes and their attributes.

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.

Grade 3 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 Grade 3 Mathematics. Refer to the Grade 3 Course Description for the specific standards within each of these clusters.

Major Clusters	Supporting Clusters	Additional Clusters
MAFS.3.OA.1 Represent and solve problems involving multiplication and division. MAFS.3.OA.2 Understand properties of multiplication and the relationship between multiplication and division. MAFS.3.OA.3 Multiply and divide within 100. MAFS.3.OA.4 Solve problems involving the four operations, and identify and explain patterns in arithmetic. MAFS.3.NF.1 Develop understanding of fractions as numbers. MAFS.3.MD.1 Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects. MAFS.3.MD.3 Geometric measurement: understand concepts of area and relate area to multiplication and to addition.	MAFS.3.MD.2 Represent and interpret data. MAFS.3.G.1 Reason with shapes and their attributes.	MAFS.3.NBT.1 Use place value understanding and properties of operations to perform multi-digit arithmetic. MAFS.3.MD.4 Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between linear and area measures.

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.

Grade 4 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 Grade 4 Mathematics. Refer to the Grade 4 Course Description for the specific standards within each of these clusters.

Major Clusters	Supporting Clusters	Additional Clusters
MAFS.4.OA.1 Use the four operations with whole numbers to solve problems. MAFS.4.NBT.1 Generalize place value understanding for multi-digit whole numbers. MAFS.4.NBT.2 Use place value understanding and properties of operations to perform multi-digit arithmetic. MAFS.4.NF.1 Extend understanding of fraction equivalence and ordering. MAFS.4.NF.2 Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers. MAFS.4.NF.3 Understand decimal notation for fractions, and compare decimal fractions.	MAFS.4.OA.2 Gain familiarity with factors and multiples. MAFS.4.MD.1 Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit. MAFS.4.MD.2 Represent and interpret data.	MAFS.4.OA.3 Generate and analyze patterns. MAFS.4.MD.3 Geometric measurement: understand concepts of angle and measure angles. MAFS.4.G.1 Draw and identify lines and angles, and classify shapes by properties of their lines and angles.

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.

Grade 5 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 Grade 5 Mathematics. Refer to the Grade 5 Course Description for the specific standards within each of these clusters.

Major Clusters	Supporting Clusters	Additional Clusters
MAFS.5.NBT.1 Understand the place value system. MAFS.5.NBT.2 Perform operations with multi-digit whole numbers and with decimals to hundredths. MAFS.5.NF.1 Use equivalent fractions as a strategy to add and subtract fractions. MAFS.5.NF.2 Apply and extend previous understandings of multiplication and division to multiply and divide fractions. MAFS.5.MD.3 Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition.	MAFS.5.MD.1 Convert like measurement units within a given measurement system. MAFS.5.MD.2 Represent and interpret data.	MAFS.5.OA.1 Write and interpret numerical expressions. MAFS.5.OA.2 Analyze patterns and relationships. MAFS.5.G.1 Graph points on the coordinate plane to solve real-world and mathematical problems. MAFS.5.G.2 Classify two-dimensional figures into categories based on their properties.

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.