



## Alignment Overview Table for Common Core State Standards for Mathematics and NES Middle Grades Mathematics

Common Core Domains/Standards [K–12]		
<b>CC</b> Counting and Cardinality <b>OA</b> Operations and Algebraic Thinking <b>NBT</b> Number and Operations in Base Ten <b>MD</b> Measurement and Data <b>G</b> Geometry <b>NF</b> Number and Operations—Fractions <b>RP</b> Ratios and Proportional Relationships <b>NS</b> The Number System <b>EE</b> Expressions and Equations <b>SP</b> Statistics and Probability <b>F</b> Functions	<b>N-CN</b> The Complex Number System <b>N-VM</b> Vector and Matrix Quantities  <div style="text-align: center; background-color: #e0e0e0; padding: 2px;"><b>Algebra</b></div> <b>A-SSE</b> Seeing Structure in Expressions <b>A-APR</b> Arithmetic with Polynomials <b>A-CED</b> Creating Equations <b>A-REI</b> Reasoning with Equations and Inequalities  <div style="text-align: center; background-color: #e0e0e0; padding: 2px;"><b>Functions</b></div> <b>F-IF</b> Interpreting Functions <b>F-BF</b> Building Functions <b>F-LE</b> Linear, Quadratic, and Exponential Models <b>F-TF</b> Trigonometric Functions	<div style="background-color: #e0e0e0; padding: 2px; margin-bottom: 5px;"><b>Geometry</b></div> <b>G-CO</b> Congruence <b>G-SRT</b> Similarity, Right Triangles, and Trigonometry <b>G-C</b> Circles <b>G-GPE</b> Expressing Geometric Properties with Equations <b>G-GMD</b> Geometric Measurement and Dimension <b>G-MG</b> Modeling with Geometry  <div style="background-color: #e0e0e0; padding: 2px; margin-bottom: 5px;"><b>Statistics and Probability</b></div> <b>S-ID</b> Interpreting Categorical and Quantitative Data <b>S-IC</b> Making Inferences and Justifying Conclusions <b>S-CP</b> Conditional Probability and the Rules of Probability
<b>Number and Quantity</b>		
<b>N-RN</b> The Real Number System <b>N-Q</b> Quantities		

NES Middle Grades Mathematics Competencies		
<b>0001</b> Understand numbers. <b>0002</b> Understand operations. <b>0003</b> Understand patterns, relations, and functions. <b>0004</b> Understand algebraic techniques and applications. <b>0005</b> Understand linear relations and applications.	<b>0006</b> Understand nonlinear relations and concepts of calculus. <b>0007</b> Understand measurement principles, procedures, and applications. <b>0008</b> Understand Euclidean geometry in two and three dimensions. <b>0009</b> Understand coordinate and transformational geometry.	<b>0010</b> Understand principles and techniques of statistics. <b>0011</b> Understand principles of probability and techniques for determining probability. <b>0012</b> Understand principles of discrete mathematics.

***For more information about the NES, visit [www.nestest.com](http://www.nestest.com)***

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### Important Notes About the Alignment Overview Table:

- Four-digit numbers (e.g., 0004) correspond to NES competency number identifiers. In each cell, the NES competencies that align to the Common Core State Standards (CCSS) in the domain at the grade level are indicated.
- Cells are shaded yellow or grey to indicate whether CCSS domains/strands exist for the associated grade level.
- CCSS domains/strands do not exist at certain grade levels.
- When there is no alignment between the CCSS and NES competencies, a dash ("-") appears in the cell.
- When a CCSS does not apply to one or more competencies, "n/a" appears in the cell.

Common Core domains/standards exist at the grade level.
  Common Core domains/standards DO NOT exist at the grade level.

	Grade Level												
	K	1	2	3	4	5	6	7	8	9	10	11	12
<b>CC</b>	-												
<b>OA</b>	-	-	-	0002, 0003	0001, 0002, 0003	0002, 0003, 0009							
<b>NBT</b>	-	-	0001, 0002	0001, 0002	0001, 0002	0001, 0002							
<b>MD</b>	-	-	0007	0002, 0007	0002, 0007, 0008, 0010	0002, 0007, 0008, 0010							
<b>G</b>	-	-	0008	0001, 0007, 0008	0008, 0009	0008, 0009	0007, 0008, 0009	0004, 0007, 0008	0008, 0009				
<b>NF</b>				0001	0001, 0002	0002, 0007							
<b>RP</b>							0002, 0003, 0007, 0009	0002, 0003, 0004, 0007, 0009					
<b>NS</b>							0001, 0002, 0009	0001, 0002	0001				
<b>EE</b>							0001, 0002, 0003, 0004	0002, 0004	0001, 0002, 0003, 0004, 0005, 0007, 0009				
<b>SP</b>							0007, 0010	0010, 0011	0004, 0005, 0010				
<b>F</b>									0003, 0004, 0005				
<b>N-RN</b>										0001, 0002, 0004	0001, 0002, 0004	0001, 0002, 0004	0001, 0002, 0004
<b>N-Q</b>										0004, 0007	0004, 0007	0004, 0007	0004, 0007

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	Grade Level												
	K	1	2	3	4	5	6	7	8	9	10	11	12
<b>N-CN</b>										-	-	-	-
<b>N-VM</b>										-	-	-	-
<b>A-SSE</b>										0004, 0012	0004, 0012	0004, 0012	0004, 0012
<b>A-APR</b>										0004	0004	0004	0004
<b>A-CED</b>										0004, 0005	0004, 0005	0004, 0005	0004, 0005
<b>A-REI</b>										0002, 0003, 0004, 0005, 0006	0002, 0003, 0004, 0005, 0006	0002, 0003, 0004, 0005, 0006	0002, 0003, 0004, 0005, 0006
<b>F-IF</b>										0003, 0004, 0005, 0006, 0012	0003, 0004, 0005, 0006, 0012	0003, 0004, 0005, 0006, 0012	0003, 0004, 0005, 0006, 0012
<b>F-BF</b>										0003, 0004, 0005, 0012	0003, 0004, 0005, 0012	0003, 0004, 0005, 0012	0003, 0004, 0005, 0012
<b>F-LE</b>										0003, 0004, 0005, 0006, 0012	0003, 0004, 0005, 0006, 0012	0003, 0004, 0005, 0006, 0012	0003, 0004, 0005, 0006, 0012
<b>F-TF</b>										-	-	-	-
<b>G-CO</b>										0008, 0009	0008, 0009	0008, 0009	0008, 0009
<b>G-SRT</b>										0007, 0008, 0009	0007, 0008, 0009	0007, 0008, 0009	0007, 0008, 0009
<b>G-C</b>										0008	0008	0008	0008
<b>G-GPE</b>										0008, 0009	0008, 0009	0008, 0009	0008, 0009
<b>G-GMD</b>										0007, 0008	0007, 0008	0007, 0008	0007, 0008
<b>G-MG</b>										0007, 0008	0007, 0008	0007, 0008	0007, 0008
<b>S-ID</b>										0004, 0005, 0010	0004, 0005, 0010	0004, 0005, 0010	0004, 0005, 0010
<b>S-IC</b>										-	-	-	-
<b>S-CP</b>										0011, 0012	0011, 0012	0011, 0012	0011, 0012
<b>S-MD</b>										-	-	-	-

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