

Orange Public Schools

Office of Curriculum & Instruction
2019-2020 Mathematics Curriculum Guide



Newcomers Academy

Grades K-7
Scope and Sequence
2019-2020

Newcomers Academy Mathematics Curriculum Philosophy:

At the core of our curriculum are three fundamental principals that guide our daily instruction:

- A curriculum that is future-oriented and asset-oriented, with high expectations for success. Teaching is focused on students' goals, rather than students' deficits. Thus, instruction provides supports that help students develop new understandings and skills, understand complex concepts, think analytically, and communicate ideas effectively in both social and academic situations.
- A curriculum that provides students authentic opportunities to simultaneously develop language and discourse; analytic and problem-solving skills; and competency in Mathematics. Simultaneous development of Mathematics will help students begin to develop their own autonomy as learners and thinkers (Valdés, Kibler, & Walqui, 2014).
- A curriculum that provides rich opportunities to learn. Educators ensure that:
 - (a) the instruction is rich in content and connects Mathematics practices and uses of language and
 - (b) the instruction intentionally scaffolds newcomer students' participation to enable them to access complex ideas and engage in rigorous analytic and problem-solving skills on level with their grade in school.

<https://www2.ed.gov/about/offices/list/oela/newcomers-toolkit/ncomertoolkit.pdf>

Grade: Kindergarten

<i>Math in Focus</i>	<i>MIF Unit Standards</i>
Chapter 1: Numbers to 5	K.CC.1 KCC2, KCC3, KCC4, KCC5, KCC6, KMD1, KMD2
Chapter 2: Numbers to 10	
Chapter 3: Order by Size, Length, or Weight	KMD1, KMD2, KMD3, KCC1, KCC2, KCC3, KCC4, KCC5, KCC6, KOA1, KOA3, KOA4, KG1
Chapter 4: Counting and Numbers 0 to 10	
Chapter 5: Size and Position	
Chapter 6: Numbers to 20	
Chapter 8: Numbers to 100	KCC1, KCC2, KCC3, KCC4, KCC5, KOA1, KOA3, KOA4, KOA5, KNBT1
Chapter 9: Comparing Sets	
Chapter 12: Counting on and Counting back	
Chapter 14: Number Facts	
Chapter 17: Addition Stories	KCC1, KCC2, KCC3, KCC4, KCC6, KOA1, KOA2, KOA3, KOA5, KMD1, KMD2, KMD3, KG2, KG4, KG5, KG6
Chapter 18: Subtraction Stories	
Chapter 7: Solid and Flat Shapes	
Chapter 16: Classifying and Sorting	
Chapter 15: Length and Weight	

Grade 1

<i>Eureka Math</i>	<i>Eureka Module Standards</i>
Module 1: Sums and Differences to 10	1OA1, 1OA3, 1OA4, 1OA5, 1OA6, 1OA7, 1OA8
Module 2: Introduction to Place Value Through Addition and Subtraction within 20	1OA1, 1OA2, 1OA3, 1OA4, 1OA6, 1NBT2
Module 3: Ordering and Comparing Length Measurements as Numbers	1OA1, 1MD1, 1MD2, 1MD 4
Module 4: Place Value. Comparison, Addition and Subtraction to 40	1OA1, 1NBT1, 1NBT2, 1NBT3, 1NBT4, 1NBT5, 1NBT6
Module 5: Identifying, Composing, and Partitioning Shapes	1MD3, 1G1, 1G2, 1G3
Module 6: Place Value, Comparison, Addition and Subtraction to 100	1OA1, 1NBT1, 1NBT2, 1NBT3,

Grade 2

<i>Eureka Math</i>	<i>Eureka Module Standards</i>
Grade 2 Module 7: Length, Money, & Data Topic B: Problem Solving with Coins and Bills	2.MD.8
Grade 1 Module 5: Identifying, Composing, and Partitioning Shapes Topic D: Application of Halves to Tell Time	1.MD.3
Grade 2 Module 8: Time, Shapes, Fractions Topic D: Application of Fractions to Tell Time	2.MD.7
Grade 1 Module 5: Identifying, Composing, and Partitioning Shapes Topic A: Attributes of Shapes Topic B: Part–Whole Relationships Within Composite Shapes	1.G.2
Grade 2 Module 8: Time, Shapes, Fractions Topic A: Attributes of Geometric Shapes	2.G.1
Grade 3 Module 7: Geometry and Measurement Word Problem Topic B: Attributes of Two- Dimensional Figures	3.G.1
Grade 2 Module 2: Addition and Subtraction of Length Units Topics: A,B,C	2.MD.1, 2.MD.2, 2.MD.3 2.MD.4
Grade 2 Module 3: Place Value, Count to 1000 ALL TOPICS	2NBT1, 2NBT2, 2NBT3, 2NBT4
Grade 2 Module 4: Add/ Subtract within 200 (Word Problems up to 100) ALL TOPICS	2OA1, 2NBT5, 2NBT6, 2NBT7, 2NBT8, 2NBT9

Grade 3

<i>Eureka Math</i>	<i>Eureka Module Standards</i>
Grade 2 Module 7: Length, Money, & Data Topic B: Problem Solving with Coins and Bills	2.MD.8
Grade 2 Module 8: Time, Shapes, Fractions Topic D: Application of Fractions to Tell Time	2.MD.7
Grade 3 Module 2: Place Value and Problem Solving with Units of Measure Topic A: Time Measurement and Problem Solving	3.MD.1
Grade 2 Module 8: Time, Shapes, Fractions Topic A: Attributes of Geometric Shapes	2.G.1
Grade 3 Module 7: Geometry and Measurement Word Problem Topic B: Attributes of Two- Dimensional Figures	3.G.1
Grade 2 Module 2: Addition and Subtraction of Length Units Topics: A,B,C	2.MD.1, 2.MD.2, 2.MD.3 2.MD.4
Grade 3 Module 2: Place Value and Problem Solving with Units of Measure Topics: C,D,E	3NBT1 , 3NBT2, 3MD1, 3MD2
Grade 3 Module 1: Properties of Multiplication and Division and Solving Problems with Units of 2-5 and 10 ALL TOPICS	3OA1, 3OA2, 3OA3, 3OA4, 3OA5, 3OA6, 3OA7, 3OA8
Grade 3 Module 3: Multiplication and Division with Units of 0, 1, 6-9 and Multiples of 10 ALL TOPICS	3OA3, 3OA4, 3OA5, 3OA7, 3OA8, 3OA9, 3NBT3

Grades 4 & 5

<i>Eureka Math</i>	<i>Eureka Module Standards</i>
Grade 2 Module 7: Length, Money, & Data Topic B: Problem Solving with Coins and Bills	2.MD.8
Grade 2 Module 8: Time, Shapes, Fractions Topic D: Application of Fractions to Tell Time	2.MD.7
Grade 3 Module 2: Place Value and Problem Solving with Units of Measure Topic A: Time Measurement and Problem Solving	3.MD.1
Grade 2 Module 8: Time, Shapes, Fractions Topic A: Attributes of Geometric Shapes	2.G.1
Grade 3 Module 7: Geometry and Measurement Word Problem Topic B: Attributes of Two- Dimensional Figures	3.G.1
Grade 2 Module 2: Addition and Subtraction of Length Units Topics: A,B,C	2.MD.1, 2.MD.2, 2.MD.3 2.MD.4
Grade 4 Module 1: Place Value, Round, and Algorithms for Addition/ Subtraction Topics: A,B,C,D	4.OA.3, 4.NBT.1, 4.NBT.2, 4.NBT.3, 4.NBT.4
Grade 4 Module 3: Multi-Digit Multiplication and Division Topics: B,C,D,E,G,H	4.OA.1, 4.OA.2, 4.OA.3, 4.OA.4, 4.NBT.5, 4.NBT.6, 4.MD.3
Grade 5 Module 2: Multi-Digit Number and Decimal Fraction Operations Topics: B,E,F	5.NBT.5, 5.NBT.6

Grades 6 & 7

<i>Eureka Math</i>	<i>Eureka Module Standards</i>
Grade 2 Module 7: Length, Money, & Data Topic B: Problem Solving with Coins and Bills	2.MD.8
Grade 2 Module 8: Time, Shapes, Fractions Topic D: Application of Fractions to Tell Time	2.MD.7
Grade 3 Module 2: Place Value and Problem Solving with Units of Measure Topic A: Time Measurement and Problem Solving	3.MD.1
Grade 2 Module 8: Time, Shapes, Fractions Topic A: Attributes of Geometric Shapes	2.G.1
Grade 3 Module 7: Geometry and Measurement Word Problem Topic B: Attributes of Two- Dimensional Figures	3.G.1
Grade 2 Module 2: Addition and Subtraction of Length Units Topics: A,B,C	2.MD.1, 2.MD.2, 2.MD.3 2.MD.4

<i>Illustrative Mathematics</i>	<i>iM Unit Standards</i>
Grade 6 Unit 2: Introducing Rates Topics: A, B, C, D, E	6.RP.A.1, 6.RP.A.2, 6.RP.A.3, 6.RP.A.3b
Grade 6 Unit 3: Unit Rates and Percentages Topics: A, B, C, D	6.RP.A.2, 6.RP.A.3, 6.RP.A.3b, 6.RP.A.3, 6.RP.A.3d
Grade 7 Unit 2: Introducing Proportional Relationships Measure Topics: A, B, C, D	7.RP.A.2a, 7.RP.A.2, 7.RP.A.2c, 7.RP.A.2b