

# Correlation of Common Core Standards with Rainforest Alliance's K-8 & Climate Curriculum Guides

## Mathematics

Common Core Mathematics Standards	Rainforest Alliance K-8 Curriculum Guides <i>The first number corresponds to the grade level, the second number corresponds to the lesson within grade level (i.e.: 6:1 is grade 6, lesson 1), "C" represents the Climate Educators Guide (for grades 6-8)</i>
<b>KINDERGARTEN</b> <b>Measurement &amp; Data (K.MD)</b>	
1. Classify objects and count the number of objects in each category.	K:1, K:3, K:4
<b>GRADE 1</b> <b>Operations &amp; Algebraic Thinking (1.OA)</b>	
1. Represent and solve problems involving addition and subtraction.	1:1
2. Add and subtract within 20.	1:1
<b>Measurement &amp; Data (1.MD)</b>	
3. Organize, represent, and interpret data.	1:1, 1:2, 1:3
<b>GRADE 2</b> <b>Operations and Algebraic Thinking (2.OA)</b>	
1. Represent and solve problems involving addition and subtraction.	2:3
<b>Measurement and Data (2.MD)</b>	
2. Measure and estimate lengths in standard units.	2:1, 2:3
3. Relate addition and subtraction to length.	2:3
4. Represent and interpret data.	2:3

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**GRADE 3**  
**Operations and Algebraic Thinking (3.OA)**

1. Represent and solve problems involving multiplication and division.

3:2, 3:3, 3:4

**Numbers and Operations in Base Ten (3.NBT)**

2. Use place value understanding and properties of operations to perform multi-digit arithmetic.

3:3, 3:4

**Measurement and Data (3.MD)**

3. Represent and interpret data.

3:1, 3:2

**GRADE 4**  
**Operations and Algebraic Thinking (4.OA)**

1. Use the four operations with whole numbers to solve problems.

4:1, 4:4

**Numbers and Operations in Base Ten (4.NBT)**

2. Use place value understanding and properties of operations to perform multi-digit arithmetic.

4:1, 4:4

**GRADE 5**  
**Numbers and Operations in Base Ten (5.NBT)**

1. Perform operations with multi-digit whole numbers and with decimals to hundredths.

5:2

**Measurement and Data (5.MD)**

2. Convert like measurement units within a given measurement system.

5:2

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**GRADE 6**  
**The Number System (6.NS)**

1. Apply and extend previous understandings of multiplication and division to divide fractions by fractions.

6:3, C:1, C:3, C:4

2. Compute fluently with multi-digit numbers and find common factors and multiples.

6:1, 6:2, C:1, C:3, C:4

3. Apply and extend previous understandings of numbers to the system of rational numbers.

6:1, C:1, C:3

**Expressions and Equations (6.EE)**

4. Apply and extend previous understandings of arithmetic to algebraic expressions.

6:1, 6:2, 6:3, C:1, C:3

5. Reason about and solve one-variable equations and inequalities.

6:1, 6:2, 6:3, C:1, C:3, C:4

6. Represent and analyze quantitative relationships between dependent and independent variables.

6:1, 6:2, 6:3, C:1, C:3, C:4

**Geometry (6.G)**

7. Solve real-world and mathematical problems involving area, surface area, and volume.

6:2, C:3, C:4

**Statistics and Probability (6.SP)**

8. Summarize and describe distributions.

6:1, 6:2

**GRADE 7**  
**Ratios and Proportional Relationships (7.RP)**

1. Analyze proportional relationships and use them to solve real-world and mathematical problems.

7:1, C:1, C:3

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**GRADE 7**  
**Geometry (7.G)**

2. Solve real-life and mathematical problems involving angle measure, area, surface area, and volume.

7:1, C:3, C:4

**Statistics and Probability (7.SP)**

3. Use random sampling to draw inferences about a population.

7:1

4. Draw informal comparative inferences about two populations.

7:1, C:1, C:4

**GRADE 8**  
**The Number System (8.NS)**

1. Know that there are numbers that are not rational, and approximate them by rational numbers.

8:1, C:1, C:3

**Expressions and Equations (8.EE)**

2. Understand the connections between proportional relationships, lines, and linear equations.

8:1, C:1

**Statistics and Probability (8.SP)**

3. Investigate patterns of association in bivariate data.

8:1, C:1, C:4