

**Voluntown K-8 Mathematics Scope & Sequence (CCSS / CCS)**

<b>Kindergarten ~ Mathematics Scope &amp; Sequence (CCSS)</b>		
<b>Trimester 1</b>	<b>Trimester 2</b>	<b>Trimester 3</b>
<p><b>Unit 1: Counting &amp; Cardinality</b> Know number names and the count sequence. Count to tell the number of objects. Compare numbers.</p> <p><b>Chapter 1:</b> Numbers 0-5 <b>Essential Question:</b> How do we show how many?  <ul style="list-style-type: none"> <li>● K.CC.A.1</li> </ul> </p> <p><b>Chapter 2:</b> Numbers To 10 <b>Essential Question:</b> What do numbers tell me?  <ul style="list-style-type: none"> <li>● K.CC.A.3</li> <li>● K.CC.B.4</li> <li>● K.CC.B.5</li> </ul> </p> <p><b>Chapter 3:</b> Numbers Beyond 10 <b>Essential Question:</b> How can I show numbers beyond 10?  <ul style="list-style-type: none"> <li>● K.CC.A.2</li> <li>● K.CC.A.3</li> <li>● K.CC.B.4</li> <li>● K.CC.B.5</li> </ul> </p> <p><b>Unit 2: Operations And Algebraic Thinking</b> Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.</p> <p><b>Chapter 4:</b> Compose &amp; Decompose Numbers To 10 <b>Essential Question:</b> How can we show a number in other ways?  <ul style="list-style-type: none"> <li>● K.CC.B.6</li> <li>● K.CC.B.7</li> <li>● K.OA.A.1</li> <li>● K.OA.A.3</li> </ul> </p>	<p><b>Unit 2: Operations &amp; Algebraic Thinking (cont.)</b></p> <p><b>Chapter 5:</b> Addition <b>Essential Question:</b> How can I use objects to add?  <ul style="list-style-type: none"> <li>● K.OA.A.1</li> <li>● K.OA.A.2</li> <li>● K.OA.A.3</li> <li>● K.OA.A.4</li> <li>● K.OA.A.5</li> </ul> </p> <p><b>Chapter 6:</b> Subtraction <b>Essential Question:</b> How can I use objects to subtract?  <ul style="list-style-type: none"> <li>● K.OA.A.1</li> <li>● K.OA.A.2</li> <li>● K.OA.A.3</li> <li>● K.OA.A.4</li> <li>● K.OA.A.5</li> </ul> </p> <p><b>Unit 3: Numbers And Operations In Base 10</b> Work with numbers 11-19 to gain foundations for place value.</p> <p><b>Chapter 7:</b> Compose &amp; Decompose Numbers 11-19 <b>Essential Question:</b> How do we show numbers 11-19 in another way?  <ul style="list-style-type: none"> <li>● K.NBT.A.1</li> </ul> </p>	<p><b>Unit 4: Measurement And Data</b> Describe and compare measurable attributes. Classify objects and count the number of objects in each category.</p> <p><b>Chapter 8:</b> Measurement <b>Essential Question:</b> How do I describe and compare objects by length, height, and weight?  <ul style="list-style-type: none"> <li>● K.MD.A.1</li> <li>● K.MD.A.2</li> </ul> </p> <p><b>Chapter 9:</b> Classify Objects <b>Essential Question:</b> How do I sort objects?  <ul style="list-style-type: none"> <li>● K.MD.B.3</li> </ul> </p> <p><b>Chapter 10:</b> Position <b>Essential Question:</b> How do I identify positions?  <ul style="list-style-type: none"> <li>● K.MD.B.3</li> </ul> </p> <p><b>Unit 5: Geometry</b> Identify and describe shapes. Analyze, compare, create, and compose shapes.</p> <p><b>Chapter 11:</b> 2D Shapes <b>Essential Question:</b> How can I compare shapes?  <ul style="list-style-type: none"> <li>● K.G.A.1</li> <li>● K.G.A.2</li> <li>● K.G.A.3</li> <li>● K.G.B.4</li> <li>● K.G.B.5</li> </ul> </p> <p><b>Chapter 12:</b> 3D Shapes <b>Essential Question:</b> How do I identify and compare three-dimensional shapes?  <ul style="list-style-type: none"> <li>● K.G.A.1</li> <li>● K.G.A.2</li> <li>● K.G.A.3</li> <li>● K.G.B.4</li> <li>● K.G.B.5</li> <li>● K.G.B.6</li> </ul> </p>

**Voluntown K-8 Mathematics Scope & Sequence ([CCSS](#) / [CCS](#))**

<b>First Grade ~ Mathematics Scope &amp; Sequence (<a href="#">CCSS</a>)</b>		
<b>Trimester 1</b>	<b>Trimester 2</b>	<b>Trimester 3</b>
<p><b>Unit 1: Addition and Subtraction with 10</b> Represent and solve problems involving addition and subtraction. Understand and apply properties of operations and the relationship between addition and subtraction. Add and subtract within 10. Work with addition and subtraction equations.</p> <p><b>Chapter 1:</b> Addition Concepts <b>Essential Questions:</b> What is addition? What are some strategies to solve addition problems within 10? How can I make a whole using two parts? How can I use what I know to solve addition word problems within 10?</p> <ul style="list-style-type: none"> <li>● 1.OA.A.1</li> <li>● 1.OA.B.3</li> <li>● 1.OA.C.5</li> <li>● 1.OA.C.6</li> </ul> <p><b>Chapter 2:</b> Subtraction Concepts <b>Essential Questions:</b> What is subtraction? How can I find a part if I know one part and a whole? What are some strategies to solve subtraction problems within 10? How are addition and subtraction related? How can I use what I know to solve subtraction word problems within 10?</p> <ul style="list-style-type: none"> <li>● 1.OA.A.1</li> <li>● 1.OA.B.3</li> <li>● 1.OA.B.4</li> <li>● 1.OA.C.5</li> <li>● 1.OA.C.6</li> <li>● 1.OA.D.7</li> <li>● 1.OA.D.8</li> </ul>	<p><b>Unit 2: Number and Operations in Base Ten</b> Extend the counting sequence. Understand place value. Use place value understanding and properties of operations to add and subtract.</p> <p><b>Chapter 5:</b> Place Value <b>Essential Questions:</b> What is place value? How can I use place value to help me understand a number? How does the placement of a digit affect the value of a number? What are multiples?</p> <ul style="list-style-type: none"> <li>● 1.NBT.A.1</li> <li>● 1.NBT.B.2</li> <li>● 1.NBT.B.3</li> <li>● 1.NBT.C.5</li> </ul> <p><b>Unit 3: Addition and Subtraction with 20</b> Represent and solve problems involving addition and subtraction. Understand and apply properties of operations and the relationship between addition and subtraction. Add and subtract within 20. Work with addition and subtraction equations.</p> <p><b>Chapter 3:</b> Addition Strategies to 20 <b>Essential Questions:</b> How can I use my knowledge of addition within 10 to help me solve addition and subtraction within 20? How can I use my knowledge of place value to add within 20? How can I solve problems using addition facts within 20? What strategies can I use to add within 20?</p> <ul style="list-style-type: none"> <li>● 1.OA.A.1</li> <li>● 1.OA.A.2</li> <li>● 1.OA.B.3</li> <li>● 1.OA.B.4</li> <li>● 1.OA.C.5</li> <li>● 1.OA.C.6</li> <li>● 1.OA.D.7</li> <li>● 1.OA.D.8</li> </ul>	<p><b>Unit 5: Measurement and Data: Measure Length, Tell Time, Represent and Interpret Data</b> Measure lengths indirectly and by iterating length units. Tell and write time. Represent and interpret data.</p> <p><b>Chapter 7:</b> Organize and Use Graphs <b>Essential Question:</b> How can data be visually represented?</p> <ul style="list-style-type: none"> <li>● 1.MD.C.4</li> </ul> <p><b>Chapter 8:</b> Measurement and Time <b>Essential Question:</b> How do I determine length and time?</p> <ul style="list-style-type: none"> <li>● 1.MD.A.1</li> <li>● 1.MD.A.2</li> <li>● 1.MD.B.3</li> </ul> <p><b>Unit 6: 2-Dimensional Shapes, Equal Shares, and 3-Dimensional Shapes</b> Reason with shapes and their attributes.</p> <p><b>Chapter 9:</b> Two-Dimensional Shapes and Equal Shares <b>Essential Question:</b> How can I recognize two-dimensional shapes and equal shares?</p> <ul style="list-style-type: none"> <li>● 1.G.A.1</li> <li>● 1.G.A.2</li> <li>● 1.G.A.3</li> </ul> <p><b>Chapter 10:</b> Three-Dimensional Shapes <b>Essential Question:</b> How can I identify three-dimensional shapes?</p> <ul style="list-style-type: none"> <li>● 1.G.A.1</li> <li>● 1.G.A.2</li> </ul>

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First Grade ~ Mathematics Scope & Sequence ( <a href="#">CCSS</a> )		
Trimester 1	Trimester 2	Trimester 3
	<p><b><u>Chapter 4:</u></b> Subtraction Strategies to 20  <b><u>Essential Questions:</u></b> How can I use my knowledge of subtraction within 10 to help me solve addition and subtraction within 20? How can I use my knowledge of place value to subtract within 20? How can I solve problems using subtraction facts within 20? What strategies can I use to subtract within 20? How can I use related facts to add and subtract?</p> <ul style="list-style-type: none"> <li>● 1.OA.A.1</li> <li>● 1.OA.A.2</li> <li>● 1.OA.B.3</li> <li>● 1.OA.B.4</li> <li>● 1.OA.C.5</li> <li>● 1.OA.C.6</li> <li>● 1.OA.D.7</li> </ul> <p><b><u>Unit 4: Two Digit Addition and Subtraction</u></b>                      Represent and solve problems involving addition and subtraction. Understand and apply properties of operations and the relationship between addition and subtraction. Add and subtract within 20. Work with addition and subtraction equations.</p> <p><b><u>Chapter 6:</u></b> Two-Digit Addition and Subtraction  <b><u>Essential Questions:</u></b> What is place value? How can I use place value to help me understand a number? How does the placement of a digit affect the value of a number? What are multiples? How can I use my knowledge of place value to help me add or subtract two digit numbers?</p> <ul style="list-style-type: none"> <li>● 1.NBT.B.2</li> <li>● 1.NBT.B.3</li> <li>● 1.NBT.C.4</li> <li>● 1.NBT.C.5</li> <li>● 1.NBT.C.6</li> </ul>	

**Voluntown K-8 Mathematics Scope & Sequence ([CCSS](#) / [CCS](#))**

<b>Second Grade ~ Mathematics Scope &amp; Sequence (<a href="#">CCSS</a>)</b>		
<b>Trimester 1</b>	<b>Trimester 2</b>	<b>Trimester 3</b>
<p><b>Unit 1: Operations And Algebraic Thinking</b> Represent and solve problems involving addition and subtraction; add and subtract within 20; work with equal groups of objects to gain foundations for multiplication.</p> <p><b>Chapter 5:</b> Place Value to 1000  <b>Essential Question:</b> How can I use place value?</p> <ul style="list-style-type: none"> <li>● 2.NBT.A.1</li> <li>● 2.NBT.A.2</li> <li>● 2.NBT.A.3</li> <li>● 2.NBT.A.4</li> </ul> <p><b>Chapter 1:</b> Apply Addition and Subtraction Concepts  <b>Essential Question:</b> What strategies can I use to add and subtract?</p> <ul style="list-style-type: none"> <li>● 2.OA.A.1</li> <li>● 2.OA.B.2</li> </ul> <p><b>Chapter 2:</b> Number Patterns  <b>Essential Question:</b> How can equal groups help me add?</p> <ul style="list-style-type: none"> <li>● 2.NBT.A.2</li> <li>● 2.OA.C.3</li> <li>● 2.OA.C.4</li> </ul> <p><b>Chapter 3:</b> Add Two-Digit Numbers  <b>Essential Question:</b> How can I add two-digit numbers?</p> <ul style="list-style-type: none"> <li>● 2.NBT.B.5</li> <li>● 2.OA.A.1</li> </ul> <p><b>Chapter 4:</b> Subtract Two-Digit Numbers  <b>Essential Question:</b> How can I subtract two-digit numbers?</p> <ul style="list-style-type: none"> <li>● 2.NBT.B.5</li> <li>● 2.OA.A.1</li> </ul>	<p><b>Unit 2: Numbers and Operations in Base Ten</b>            Understand place value; se place value understanding and properties of operations to add and subtract.</p> <p><b>Chapter 6:</b> Add Three-Digit Numbers  <b>Essential Question:</b> How can I add three-digit numbers?</p> <ul style="list-style-type: none"> <li>● 2.NBT.B.6</li> <li>● 2.NBT.B.7</li> <li>● 2.NBT.B.8</li> <li>● 2.NBT.B.9</li> </ul> <p><b>Chapter 7:</b> Subtract Three-Digit Numbers  <b>Essential Question:</b> How can I subtract three-digit numbers?</p> <ul style="list-style-type: none"> <li>● 2.NBT.B.6</li> <li>● 2.NBT.B.7</li> <li>● 2.NBT.B.8</li> <li>● 2.NBT.B.9</li> </ul>	<p><b>Unit 3: Operations And Algebraic Thinking</b> Measure and estimate lengths in standard units; relate addition and subtraction to length; work with time and money; represent and interpret data.</p> <p><b>Chapter 8:</b> Money  <b>Essential Question:</b> How do I count and use money?</p> <ul style="list-style-type: none"> <li>● 2.MD.C.8</li> </ul> <p><b>Chapter 9:</b> Data Analysis  <b>Essential Question:</b> How can I record and analyze data?</p> <ul style="list-style-type: none"> <li>● 2.MD.D.9</li> <li>● 2.MD.D.10</li> </ul> <p><b>Chapter 10:</b> Time  <b>Essential Question:</b> How do I use and tell time?</p> <ul style="list-style-type: none"> <li>● 2.MD.C.7</li> </ul> <p><b>Chapter 11:</b> Customary and Metric Lengths  <b>Essential Question:</b> How can I measure objects?</p> <ul style="list-style-type: none"> <li>● 2.MD.A.1</li> <li>● 2.MD.A.2</li> <li>● 2.MD.A.3</li> <li>● 2.MD.A.4</li> <li>● 2.MD.B.5</li> <li>● 2.MD.B.6</li> <li>● 2.MD.D.9</li> </ul> <p><b>Unit 4: Geometry</b>            Reason with shapes and their attributes.</p> <p><b>Chapter 12:</b> Geometric Shapes and Equal Shares  <b>Essential Question:</b> How do I use shapes and equal parts?</p> <ul style="list-style-type: none"> <li>● 2.G.A.1</li> <li>● 2.G.A.2</li> <li>● 2.G.A.3</li> </ul>

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Third Grade ~ Mathematics Scope & Sequence ( <a href="#">CCSS</a> )		
Trimester 1	Trimester 2	Trimester 3
<p><b>Unit 1: Number and Operations in Base Ten</b> Use place value understanding and properties of operations to perform multi-digit arithmetic.</p> <p><b>Chapter 1:</b> Place Value <b>Essential Question:</b> How can numbers be expressed, ordered, and compared?</p> <ul style="list-style-type: none"> <li>● 3.NBT.A.1</li> <li>● 3.NBT.A.2</li> <li>● 3.NBT.A.3</li> </ul> <p><b>Chapter 2:</b> Addition <b>Essential Question:</b> How can place value help me add larger numbers?</p> <ul style="list-style-type: none"> <li>● 3.NBT.A.2</li> <li>● 3.OA.D.9</li> </ul> <p><b>Chapter 3:</b> Subtraction <b>Essential Question:</b> How are the operations of subtraction and addition related?</p> <ul style="list-style-type: none"> <li>● 3.NBT.A.2</li> <li>● 3.OA.D.8</li> </ul>	<p><b>Unit 2: Numbers and Operations - Multiplication and Division</b> Use place value understanding and properties of operations to perform multi-digit arithmetic.</p> <p><b>Chapter 4:</b> Understand Multiplication <b>Essential Question:</b> What does multiplication mean?</p> <ul style="list-style-type: none"> <li>● 3.OA.A.1</li> <li>● 3.OA.A.3</li> </ul> <p><b>Chapter 5:</b> Understand Division <b>Essential Question:</b> What does division mean?</p> <ul style="list-style-type: none"> <li>● 3.OA.A.2</li> <li>● 3.OA.A.4</li> <li>● 3.OA.C.7</li> <li>● 3.OA.B.6</li> </ul> <p><b>Chapter 6:</b> Multiplication and Division Patterns <b>Essential Question:</b> What is the importance of patterns in learning multiplication and division?</p> <ul style="list-style-type: none"> <li>● 3.NBT.A.3</li> <li>● 3.OA.A.3</li> <li>● 3.OA.A.4</li> <li>● 3.OA.C.7</li> <li>● 3.OA.D.9</li> </ul> <p><b>Chapter 7:</b> Multiplication and Division <b>Essential Question:</b> What strategies can be used to learn multiplication and division facts?</p> <ul style="list-style-type: none"> <li>● 3.OA.A.2</li> <li>● 3.OA.A.3</li> <li>● 3.OA.A.4</li> <li>● 3.OA.D.9</li> </ul> <p><b>Chapter 8:</b> Apply Multiplication and Division <b>Essential Question:</b> How can multiplication and division facts with smaller numbers be applied to larger numbers?</p> <ul style="list-style-type: none"> <li>● 3.OA.A.1</li> <li>● 3.OA.A.2</li> <li>● 3.OA.A.3</li> <li>● 3.OA.C.7</li> <li>● 3.OA.D.9</li> </ul>	<p><b>Unit 3: Number Operations - Fractions</b> Develop understanding of fractions as numbers</p> <p><b>Chapter 10:</b> Fractions <b>Essential Questions:</b> How can fractions be used to represent numbers and their parts? How are fractions and whole numbers alike?</p> <ul style="list-style-type: none"> <li>● 3.NF.A.1</li> <li>● 3.NF.A.2</li> <li>● 3.NF.A.3</li> </ul> <p><b>Unit 4: Measurement and Data</b> Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects. Represent and interpret data. Geometric measurement: understand concepts of area and relate area to multiplication and to addition. Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between linear and area measures.</p> <p><b>Chapter 11:</b> Measurement <b>Essential Question:</b> Why do we measure?</p> <ul style="list-style-type: none"> <li>● 3.MD.A.1</li> <li>● 3.MD.A.2</li> </ul> <p><b>Chapter 12:</b> Represent and Interpret Data <b>Essential Question:</b> How do we obtain useful information from a set of data?</p> <ul style="list-style-type: none"> <li>● 3.MD.B.3</li> <li>● 3.MD.B.4</li> </ul> <p><b>Chapter 13:</b> Perimeter and Area <b>Essential Question:</b> How are perimeter &amp; area related and how are they different?</p> <ul style="list-style-type: none"> <li>● 3.MD.B.3</li> <li>● 3.MD.B.4</li> <li>● 3.MD.D.8</li> <li>● 3.MD.C.5</li> <li>● 3.MD.C.6</li> <li>● 3.MD.C.7</li> </ul>

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Third Grade ~ Mathematics Scope & Sequence ( <a href="#">CCSS</a> )		
Trimester 1	Trimester 2	Trimester 3
	<p><b>Chapter 9:</b> Properties and Equations  <b>Essential Question:</b> How are properties and equations used to group numbers?</p> <ul style="list-style-type: none"> <li>• 3.OA.B.5</li> <li>• 3.OA.D.8</li> </ul>	<p><b>Unit 5: Geometry</b>                      Reason with shapes and their attributes.</p> <p><b>Chapter 14:</b> Geometry  <b>Essential Question:</b> How can geometric shapes help me solve real world problems?</p> <ul style="list-style-type: none"> <li>• 3.G.A.1</li> <li>• 3.G.A.2</li> </ul>

**Voluntown K-8 Mathematics Scope & Sequence (CCSS / CCS)**

Fourth Grade ~ Mathematics Scope & Sequence (CCSS)		
Trimester 1	Trimester 2	Trimester 3
<p><b>Unit 1: Number Operations in Base Ten</b> Generalize place value understanding for multi-digit whole numbers. Use place value understanding and properties of operations to perform multi-digit arithmetic.</p> <p><b>Chapter 1:</b> Place Value <b>Essential Question:</b> How does place value help represent the value of numbers?</p> <ul style="list-style-type: none"> <li>● 4.NBT.A.1</li> <li>● 4.NBT.A.2</li> <li>● 4.NBT.A.3</li> </ul> <p><b>Chapter 2:</b> Add &amp; Subtract Whole Numbers <b>Essential Question:</b> What strategies can I use to add or subtract?</p> <ul style="list-style-type: none"> <li>● 4.NBT.A.3</li> <li>● 4.NBT.B.4</li> <li>● 4.OA.C.5</li> </ul> <p><b>Chapter 3:</b> Understanding Multiplication &amp; Division <b>Essential Question:</b> How are multiplication and division related?</p> <ul style="list-style-type: none"> <li>● 4.NBT.B.5</li> <li>● 4.NBT.B.6</li> <li>● 4.OA.A.1</li> <li>● 4.OA.A.2</li> <li>● 4.OA.B.4</li> </ul> <p><b>Chapter 4:</b> Multiplying with One-Digit Numbers <b>Essential Question:</b> How can I communicate multiplication?</p> <ul style="list-style-type: none"> <li>● 4.NBT.A.1</li> <li>● 4.NBT.A.3</li> <li>● 4.NBT.B.5</li> <li>● 4.OA.B.4</li> </ul> <p><b>Chapter 5:</b> Multiplying with Two-Digit Numbers <b>Essential Question:</b> How can I multiply by a 2 digit number?</p> <ul style="list-style-type: none"> <li>● 4.NBT.A.3</li> <li>● 4.NBT.B.4</li> <li>● 4.NBT.B.5</li> <li>● 4.OA.A.3</li> </ul>	<p><b>Unit 2: Operations and Algebraic Thinking</b> Use the four operations with whole numbers to solve problems. Gain familiarity with factors and multiples. Generate and analyze patterns.</p> <p><b>Chapter 7:</b> Patterns and Sequences <b>Essential Question:</b> How are patterns used in multiplication?</p> <ul style="list-style-type: none"> <li>● 4.OA.A.3</li> <li>● 4.OA.C.5</li> </ul> <p><b>Unit 3: Number and Operations - Fractions</b> Extend understanding of fraction equivalence and ordering. Build fractions from unit fractions. Understand decimal notation for fractions, and compare decimal fractions.</p> <p><b>Chapter 8:</b> Fractions <b>Essential Question:</b> How can different fractions name the same amount?</p> <ul style="list-style-type: none"> <li>● 4.NF.A.1</li> <li>● 4.NF.A.2</li> <li>● 4.NF.B.3</li> <li>● 4.NF.C.5</li> <li>● 4.OA.B.4</li> </ul> <p><b>Chapter 9:</b> Operations with Fractions <b>Essential Question:</b> How can I use operations to model real-world fractions?</p> <ul style="list-style-type: none"> <li>● 4.NF.B.3</li> <li>● 4.NF.B.4</li> </ul> <p><b>Chapter 10:</b> Fractions and Decimals <b>Essential Question:</b> How are fractions and decimals related?</p> <ul style="list-style-type: none"> <li>● 4.NF.C.5</li> <li>● 4.NF.C.6</li> <li>● 4.NF.C.7</li> </ul>	<p><b>Unit 4: Measurement and Data (cont.)</b></p> <p><b>Chapter 12:</b> Metric Measurement <b>Essential Question:</b> How can conversion of measurement help me solve real-world problems?</p> <ul style="list-style-type: none"> <li>● 4.MD.A.1</li> <li>● 4.MD.A.2</li> </ul> <p><b>Chapter 13:</b> Perimeter and Area <b>Essential Question:</b> Why is it important to measure perimeter and area?</p> <ul style="list-style-type: none"> <li>● 4.MD.A.3</li> </ul> <p><b>Unit 5: Geometry</b> Draw and identify lines and angles, and classify shapes by properties of their lines and angles.</p> <p><b>Chapter 14:</b> Geometry <b>Essential Question:</b> How are different ideas about geometry connected?</p> <ul style="list-style-type: none"> <li>● 4.G.A.1</li> <li>● 4.G.A.2</li> <li>● 4.G.A.3</li> <li>● 4.MD.C.5</li> <li>● 4.MD.C.6</li> <li>● 4.MD.C.7</li> </ul> <p><b>Unit 6: Time</b> Tell and write time, including elapsed time, from analog and digital clocks to the nearest minute, using a.m. and p.m.</p> <p><b>Essential Question:</b> How can I use time to solve real world problems?</p> <p><b>Unit 7: Money</b> Solve real world problems using some bills, and all denominations of coins, using \$ and ¢ symbols appropriately.</p> <p><b>Essential Question:</b> How can I use money to solve real world problems?</p>

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Fourth Grade ~ Mathematics Scope & Sequence ( <a href="#">CCSS</a> )		
Trimester 1	Trimester 2	Trimester 3
<p><b>Chapter 6:</b> Divide by a One-Digit Number  <b>Essential Question:</b> How does division affect numbers?</p> <ul style="list-style-type: none"> <li>● 4.NBT.A.1</li> <li>● 4.NBT.A.3</li> <li>● 4.NBT.B.6</li> <li>● 4.NO.A.4</li> </ul>	<p><b>Unit 4: Measurement and Data</b>            Solve problems involving measurement and conversion of measurements. Represent and interpret data. Geometric measurement: understand concepts of angle and measure angles.</p> <p><b>Chapter 11:</b> Customary Measurement  <b>Essential Question:</b> How do we convert measurements?</p> <ul style="list-style-type: none"> <li>● 4.MD.A.1</li> <li>● 4.MD.A.2</li> <li>● 4.MD.B.4</li> </ul>	



**Voluntown K-8 Mathematics Scope & Sequence (CCSS / CCS)**

<b>Fifth Grade ~ Mathematics Scope &amp; Sequence (CCSS)</b>		
<b>Trimester 1</b>	<b>Trimester 2</b>	<b>Trimester 3</b>
<p><b>Unit 1A: Number and Operations in Base Ten</b> Understand the place value system. Perform operations with multi-digit whole numbers and with decimals to hundredths.</p> <p><b>Chapter 1:</b> Place Value (Whole Numbers and Decimal Numbers) <b>Essential Question:</b> How does the position of a digit in a number relate to its value?</p> <ul style="list-style-type: none"> <li>● 5.NBT.A.1</li> <li>● 5.NBT.A.2</li> <li>● 5.NBT.A.3</li> <li>● 5.NBT.A.4</li> </ul> <p><b>Chapter 5:</b> Add and Subtract Decimals <b>Essential Question:</b> How can I use place value and properties to add and subtract decimals?</p> <ul style="list-style-type: none"> <li>● 5.NBT.B.7</li> </ul> <p><b>Chapter 2:</b> Multiply Whole Numbers <b>Essential Question:</b> What strategies can be used to multiply whole numbers?</p> <ul style="list-style-type: none"> <li>● 5.NBT.B.5</li> </ul> <p><b>Unit 1B: Number and Operations in Base Ten</b> Understand the place value system. Perform operations with multi-digit whole numbers and with decimals to hundredths.</p> <p><b>Chapter 3:</b> Divide by a One-Digit Divisor <b>Essential Question:</b> What strategies can be used to divide whole numbers?</p> <ul style="list-style-type: none"> <li>● 5.NBT.B.6</li> </ul>	<p><b>Unit 1B: Number and Operations in Base Ten (cont.)</b></p> <p><b>Chapter 4:</b> Divide by a Two-Digit Divisor <b>Essential Question:</b> What strategies can I use to divide by a two digit number?</p> <ul style="list-style-type: none"> <li>● 5.NBT.A.2</li> <li>● 5.NBT.B.6</li> </ul> <p><b>Chapter 6:</b> Multiply and Divide Decimals <b>Essential Question:</b> How is multiplying and dividing decimals similar to multiplying and dividing whole numbers?</p> <ul style="list-style-type: none"> <li>● 5.NBT.A.1</li> <li>● 5.NBT.A.2</li> <li>● 5.NBT.B.5</li> <li>● 5.NBT.B.7</li> </ul> <p><b>Unit 3: Fractions</b> Use equivalent fractions as a strategy to add and subtract fractions. Apply and extend previous understandings of multiplication and division to multiply and divide fractions.</p> <p><b>Chapter 8:</b> Fractions and Decimals <b>Essential Question:</b> How are factors and multiples helpful in solving problems?</p> <ul style="list-style-type: none"> <li>● 5.NF.B.3</li> </ul> <p><b>Chapter 9:</b> Add and Subtract Fractions <b>Essential Question:</b> How can equivalent fractions help me add and subtract fractions?</p> <ul style="list-style-type: none"> <li>● 5.NF.A.1</li> <li>● 5.NF.A.2</li> </ul> <p><b>Chapter 10:</b> Multiply and Divide Fractions <b>Essential Question:</b> What strategies can be used to multiply and divide fractions?</p> <ul style="list-style-type: none"> <li>● 5.NF.B.4</li> <li>● 5.NF.B.5</li> <li>● 5.NF.B.6</li> <li>● 5.NF.B.7</li> </ul>	<p><b>Unit 2: Expressions &amp; Patterns</b> Write and interpret numerical expressions. Analyze patterns and relationships.</p> <p><b>Chapter 7:</b> Expressions &amp; Patterns <b>Essential Question:</b> How are patterns used to solve problems?</p> <ul style="list-style-type: none"> <li>● 5.G.A.1</li> <li>● 5.G.A.2</li> <li>● 5.OA.A.1</li> <li>● 5.OA.A.2</li> <li>● 5.OA.B.3</li> </ul> <p><b>Unit 4: Geometry and Measurement</b> Convert like measurement units within a given measurement system. Represent and interpret data. Geometric measurement: understand concepts of volume and relate volume to multiplication and addition. Graph points on the coordinate plane to solve real-world and mathematical problems. Classify two-dimensional figures into categories based on their properties.</p> <p><b>Chapter 11:</b> Measurement <b>Essential Question:</b> How can I use measurement conversions to solve real-world problems?</p> <ul style="list-style-type: none"> <li>● 5.MD.A1</li> <li>● 5.MD.B.2</li> </ul> <p><b>Chapter 12:</b> Geometry <b>Essential Question:</b> How does geometry help me solve problems in everyday life?</p> <ul style="list-style-type: none"> <li>● 5.G.B.3</li> <li>● 5.G.B.4</li> <li>● 5.MD.C.3</li> <li>● 5.MD.C.4</li> <li>● 5.MD.C.5</li> </ul>

**Voluntown K-8 Mathematics Scope & Sequence (CCSS / CCS)**

Sixth Grade ~ Mathematics Scope & Sequence (CCSS)		
Trimester 1	Trimester 2	Trimester 3
<p><b>Unit 2: The Number System</b> Apply and extend previous understandings of multiplication and division to divide fractions by fractions. Compute fluently with multi-digit numbers and find common factors and multiples.</p> <p><b>Chapter 3:</b> Compute with Multi-Digit Numbers <b>Essential Question:</b> How can estimating be helpful?</p> <ul style="list-style-type: none"> <li>● 6.NS.B.2</li> <li>● 6.NS.B.3</li> </ul> <p><b>Chapter 4:</b> Multiply and Divide Fractions <b>Essential Question:</b> What does it mean to multiply and divide fractions?</p> <ul style="list-style-type: none"> <li>● 6.NS.A.1</li> </ul> <p><b>Unit 1: Ratios and Proportional Relationships</b> Understand ratio concepts and use ratio reasoning to solve problems.</p> <p><b>Chapter 1:</b> Ratios and Rates <b>Essential Question:</b> How do you use equivalent rates in the real world?</p> <ul style="list-style-type: none"> <li>● 6.RP.A.1</li> <li>● 6.RP.A.2</li> <li>● 6.RP.A.3</li> </ul> <p><b>Chapter 2:</b> Fractions, Decimals and Percents <b>Essential Question:</b> When is it better to use a fraction, a decimal, or a percent?</p> <ul style="list-style-type: none"> <li>● 6.NS.B.4</li> </ul>	<p><b>Unit 2: The Number System (cont.)</b> Apply and extend previous understandings of numbers to the system of rational numbers.</p> <p><b>Chapter 5:</b> Integers and the Coordinate Plane <b>Essential Question:</b> How are integers and absolute value used in real-world situations?</p> <ul style="list-style-type: none"> <li>● 6.NS.C.5</li> <li>● 6.NS.C.6</li> <li>● 6.NS.C.7</li> <li>● 6.NS.C.8</li> </ul> <p><b>Unit 3: Expressions and Equations</b> Apply and extend previous understandings of arithmetic to algebraic expressions. Reason about and solve one-variable equations. Represent and analyze quantitative relationships between dependent and independent variables. Reason about and solve one-variable inequalities.</p> <p><b>Chapter 6:</b> Expressions <b>Essential Question:</b> How is it helpful to write numbers in different ways?</p> <ul style="list-style-type: none"> <li>● 6.EE.A.1</li> <li>● 6.EE.A.2</li> <li>● 6.EE.A.3</li> <li>● 6.EE.A.4</li> <li>● 6.EE.B.6</li> </ul> <p><b>Chapter 7:</b> Equations <b>Essential Question:</b> How do you determine if two numbers or expressions are equal?</p> <ul style="list-style-type: none"> <li>● 6.EE.B.5</li> <li>● 6.EE.B.6</li> <li>● 6.EE.B.7</li> </ul> <p><b>Chapter 8:</b> Functions and Inequalities <b>Essential Question:</b> How are the symbols, such as <math>&gt;</math>, <math>&lt;</math>, and <math>=</math>, useful?</p> <ul style="list-style-type: none"> <li>● 6.EE.B.5</li> <li>● 6.EE.B.6</li> <li>● 6.EE.B.8</li> <li>● 6.EE.C.9</li> </ul>	<p><b>Unit 4: Geometry</b> Solve real-world and mathematical problems involving area, surface area, and volume.</p> <p><b>Chapter 9:</b> Area <b>Essential Question:</b> How does measurement help you solve problems in everyday life?</p> <ul style="list-style-type: none"> <li>● 6.G.A.1</li> <li>● 6.G.A.3</li> </ul> <p><b>Chapter 10:</b> Volume and Surface Area <b>Essential Question:</b> How is shape important when measuring a figure?</p> <ul style="list-style-type: none"> <li>● 6.G.A.2</li> <li>● 6.G.A.4</li> </ul> <p><b>Unit 5: Statistics and Probability</b> Develop understanding of statistical variability. Summarize and describe distributions.</p> <p><b>Chapter 11:</b> Statistical Measures <b>Essential Question:</b> How are the mean, median, and mode helpful in describing data?</p> <ul style="list-style-type: none"> <li>● 6.SP.A.1</li> <li>● 6.SP.A.2</li> <li>● 6.SP.A.3</li> </ul> <p><b>Chapter 12:</b> Statistical Displays <b>Essential Question:</b> Why is it important to carefully evaluate graphs?</p> <ul style="list-style-type: none"> <li>● 6.SP.A.1</li> <li>● 6.SP.B.4</li> <li>● 6.SP.B.5</li> </ul>

**Voluntown K-8 Mathematics Scope & Sequence (CCSS / CCS)**

Seventh Grade ~ Mathematics Scope & Sequence (CCSS)		
Trimester 1	Trimester 2	Trimester 3
<p><b>Unit 1: Ratios and Proportional Relationships</b> Analyze proportional relationships and use them to solve real-world and mathematical problems.</p> <p><b>Chapter 1:</b> Ratios and Proportional Reasoning <b>Essential Question:</b> How can you show that two objects are proportional?</p> <ul style="list-style-type: none"> <li>● 7.NS.A.3</li> <li>● 7.RP.A.1</li> <li>● 7.RP.A.2</li> <li>● 7.RP.A.3</li> </ul> <p><b>Chapter 2:</b> Percents <b>Essential Question:</b> How can percent help you understand situations involving money?</p> <ul style="list-style-type: none"> <li>● 7.EE.A.2</li> <li>● 7.EE.B.3</li> <li>● 7.RP.A.2</li> <li>● 7.RP.A.3</li> </ul> <p><b>Unit 2: The Number System</b> Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers.</p> <p><b>Chapter 3:</b> Integers <b>Essential Question:</b> What happens when you add, subtract, multiply, and divide integers?</p> <ul style="list-style-type: none"> <li>● 7.EE.B.3</li> <li>● 7.NS.A.1</li> <li>● 7.NS.A.2</li> <li>● 7.NS.A.3</li> </ul>	<p><b>Unit 2: The Number System (cont.)</b></p> <p><b>Chapter 4:</b> Rational Numbers <b>Essential Question:</b> What happens when you add, subtract, multiply, and divide fractions?</p> <ul style="list-style-type: none"> <li>● 7.EE.B.3</li> <li>● 7.NS.A.1</li> <li>● 7.NS.A.2</li> <li>● 7.NS.A.3</li> <li>● 7.RP.A.3</li> </ul> <p><b>Unit 3: Expressions and Equations</b> Use properties of operations to generate equivalent expressions. Solve real-life and mathematical problems using numerical and algebraic expressions &amp; equations.</p> <p><b>Chapter 5:</b> Expressions <b>Essential Question:</b> How can you use numbers and symbols to represent mathematical ideas?</p> <ul style="list-style-type: none"> <li>● 7.EE.A.1</li> <li>● 7.EE.A.2</li> <li>● 7.NS.A.3</li> </ul> <p><b>Chapter 6:</b> Equations and Inequalities <b>Essential Question:</b> What does it mean to say two quantities are equal?</p> <ul style="list-style-type: none"> <li>● 7.EE.B.3</li> <li>● 7.EE.B.4</li> </ul> <p><b>Unit 4: Geometry and Measurement</b> Draw, construct, and describe geometrical figures and describe the relationships between them. Solve real-life and mathematical problems involving angle measure, area, surface area, and volume.</p> <p><b>Chapter 7:</b> Geometric Figures <b>Essential Question:</b> How does geometry help us describe real-world objects?</p> <ul style="list-style-type: none"> <li>● 7.G.A.1</li> <li>● 7.G.A.2</li> <li>● 7.G.A.3</li> <li>● 7.G.B.5</li> </ul>	<p><b>Unit 4: Geometry and Measurement (cont.)</b></p> <p><b>Chapter 8:</b> Measure Figures <b>Essential Question:</b> How do measurements help you describe real-world objects?</p> <ul style="list-style-type: none"> <li>● 7.G.B.4</li> <li>● 7.G.B.6</li> </ul> <p><b>Unit 5: Statistics and Probability</b> Use random sampling to draw inferences about a population. Draw informal comparative inferences about two populations. Investigate chance processes and develop, use, and evaluate probability models.</p> <p><b>Chapter 9:</b> Probability <b>Essential Question:</b> How can you predict the outcome of future events?</p> <ul style="list-style-type: none"> <li>● 7.SP.C.5</li> <li>● 7.SP.C.6</li> <li>● 7.SP.C.7</li> <li>● 7.SP.C.8</li> </ul> <p><b>Chapter 10:</b> Statistics <b>Essential Question:</b> How do you know which type of graph to use when displaying data?</p> <ul style="list-style-type: none"> <li>● 7.SP.A.1</li> <li>● 7.SP.A.2</li> <li>● 7.SP.B.3</li> <li>● 7.SP.B.4</li> </ul>

**Voluntown K-8 Mathematics Scope & Sequence ([CCSS](#) / [CCS](#))**

<b>Eighth Grade ~ Mathematics Scope &amp; Sequence (<a href="#">CCSS</a>)</b>		
<b>Trimester 1</b>	<b>Trimester 2</b>	<b>Trimester 3</b>
<p><b>Unit 1: The Number System</b> Know that there are numbers that are not rational, and approximate them by rational numbers.</p> <p><b>Chapter 1:</b> Real Numbers <b>Essential Question:</b> Why is it helpful to write numbers in different ways?</p> <ul style="list-style-type: none"> <li>● 8.EE.A.1</li> <li>● 8.EE.A.2</li> <li>● 8.EE.A.3</li> <li>● 8.EE.A.4</li> <li>● 8.NS.A.1</li> <li>● 8.NS.A.2</li> </ul> <p><b>Unit 2: Expressions and Equations</b> Work with radicals and integer exponents. Understand the connections between proportional relationships, lines, and linear equations. Analyze and solve linear equations and pairs of simultaneous equations.</p> <p><b>Chapter 2:</b> Equations in One Variable <b>Essential Question:</b> What is equivalence?</p> <ul style="list-style-type: none"> <li>● 8.EE.C.7</li> </ul> <p><b>Chapter 3:</b> Equations in Two Variables <b>Essential Question:</b> Why are graphs helpful?</p> <ul style="list-style-type: none"> <li>● 8.EE.B.5</li> <li>● 8.EE.B.6</li> <li>● 8.EE.C.8</li> <li>● 8.F.A.2</li> <li>● 8.F.A.3</li> <li>● 8.F.B.4</li> </ul>	<p><b>Unit 2: Expressions and Equations (cont.)</b></p> <p><b>Chapter 3:</b> Equations in Two Variables <b>Essential Question:</b> Why are graphs helpful?</p> <ul style="list-style-type: none"> <li>● 8.EE.B.5</li> <li>● 8.EE.B.6</li> <li>● 8.EE.C.8</li> <li>● 8.F.A.2</li> <li>● 8.F.A.3</li> <li>● 8.F.B.4</li> </ul> <p><b>Unit 3: Functions</b> Define, evaluate, and compare functions. Use functions to model relationships between quantities.</p> <p><b>Chapter 4:</b> Functions <b>Essential Question:</b> How can we model relationships between quantities?</p> <ul style="list-style-type: none"> <li>● 8.F.A.1</li> <li>● 8.F.A.2</li> <li>● 8.F.A.3</li> <li>● 8.F.B.4</li> <li>● 8.F.B.5</li> </ul> <p><b>Unit 4: Geometry</b> Understand congruence and similarity using physical models, transparencies, or geometry software. Understand and apply the Pythagorean Theorem. Understand congruence and similarity using physical models, transparencies, or geometry software. Solve real-world and mathematical problems involving volume of cylinders, cones, and spheres.</p> <p><b>Chapter 5:</b> Triangles and the Pythagorean Theorem <b>Essential Question:</b> How can algebraic concepts be applied to geometry?</p> <ul style="list-style-type: none"> <li>● 8.EE.A.2</li> <li>● 8.G.A.5</li> <li>● 8.G.B.6</li> <li>● 8.G.B.7</li> <li>● 8.G.B.8</li> </ul>	<p><b>Unit 4: Geometry (cont.)</b></p> <p><b>Chapter 6:</b> Transformations <b>Essential Question:</b> How can we best show or describe the change in position of a figure?</p> <ul style="list-style-type: none"> <li>● 8.G.A.1</li> <li>● 8.G.A.3</li> </ul> <p><b>Chapter 7:</b> Congruence and Similarity <b>Essential Question:</b> How can you determine congruence and similarity?</p> <ul style="list-style-type: none"> <li>● 8.EE.B.6</li> <li>● 8.G.A.1</li> <li>● 8.G.A.2</li> <li>● 8.G.A.4</li> <li>● 8.G.A.5</li> </ul> <p><b>Chapter 8:</b> Volume and Surface Area <b>Essential Question:</b> Why are formulas important in math and science?</p> <ul style="list-style-type: none"> <li>● 8.G.C.9</li> </ul> <p><b>Unit 5: Statistics and Probability</b> Investigate patterns of association in bivariate data.</p> <p><b>Chapter 9:</b> Scatter Plots and Data Analysis <b>Essential Question:</b> How are patterns used when comparing two quantities?</p> <ul style="list-style-type: none"> <li>● 8.SP.A.1</li> <li>● 8.SP.A.2</li> <li>● 8.SP.A.3</li> <li>● 8.SP.A.4</li> </ul>