



# World Vision Academy Math Gr. 4~7

## Curriculum Overview

<b>WVA Grade 4 Math</b>	<b>Big Ideas:</b> <ul style="list-style-type: none"><li>• Working with numbers up to 10,000</li><li>• Basic math operations, addition, subtraction, multiplication, and division</li><li>• Introduction to fractions and decimals</li><li>• Understanding basic geometric facts and concepts, including measurements, area, and volume</li><li>• 2D and 3D shapes</li><li>• Patterns, grids, and graphs</li></ul>
<b>WVA Grade 5 Math</b>	<b>Big Ideas:</b> <ul style="list-style-type: none"><li>• Working with numbers up to 100,000</li><li>• Basic math operations, addition, subtraction, multiplication, and division with whole numbers</li><li>• Fractions and decimals</li><li>• Understanding basic geometric facts and concepts, including measurements, capacity, area, and volume</li><li>• Understanding the relationship between angles and triangles</li><li>• Patterns, transformation, and graphs</li><li>• 2D and 3D figures</li></ul>
<b>WVA Grade 6 Math</b>	<b>Big Ideas:</b> <ul style="list-style-type: none"><li>• Working with numbers up to 1 million</li><li>• Understanding prime and composite numbers</li><li>• Order of operations with whole numbers</li><li>• Understanding geometric concepts, including measurements, area, surface area and volume</li><li>• Basic math operation, addition, subtraction, multiplication, and division with decimals</li><li>• Working with units, including conversions and ratios</li><li>• Patterns, transformation, coordinate system and graphs</li><li>• 2D shapes and 3D figures</li></ul>
<b>WVA Grade 7 Math</b>	<b>Big Ideas:</b> <ul style="list-style-type: none"><li>• Understanding prime and composite numbers</li><li>• Order of operations with integers and decimals</li><li>• Understanding geometric properties of circles and cylinders</li><li>• Expression and equations</li><li>• Coordinate graphs and transformation</li><li>• Developing financial literacy including percent, change and calculations.</li><li>• Experimental and theoretical probability and representing probabilities as ratios, fractions, and percentages</li></ul>

Students develop and strengthen essential transferable skills by going through math courses. Students should reflect on their core skills in the three areas with guidance from their parents.

<b>Communication</b>	Communication and Collaboration
<b>Thinking</b>	Critical, Reflective, and Creative Thinking
<b>Personal &amp; Social</b>	Personal awareness & Responsibility Positive personal & Cultural Identity Social awareness & Responsibility