

# Bob Jones University Press

## Course Outline—Sixth-Grade

### Math

Unit Content and Objectives	Time	Methods, Activities, and Evaluation	Books and Materials	Biblical Integration
<p><b>Unit 1: Addition and Subtraction</b> The Students Will:</p> <ul style="list-style-type: none"> <li>• complete addition/subtraction facts.</li> <li>• apply the identity, Commutative, and Associative Properties of Addition.</li> <li>• apply the Zero Principle of Subtraction.</li> <li>• write an equation for a word problem.</li> <li>• estimate the sum of an addition problem.</li> <li>• add 2-, 3-, 4-, 5-, and 6-digit numbers.</li> <li>• check an addition problem by subtracting and re-adding.</li> <li>• complete addition problems with more than two addends.</li> <li>• estimate the difference of a subtraction problem.</li> <li>• subtract 2-, 3-, 4-, 5-, and 6-digit numbers.</li> <li>• check a subtraction problem by adding.</li> <li>• identify and solve take away, comparing, missing addend, unknown part, and missing subtrahend word problems.</li> <li>• rename numbers with several zeros before subtracting.</li> <li>• write a word problem for an addition or subtraction equation.</li> <li>• use compensation to add and subtract 2- and 3-digit numbers mentally.</li> <li>• find the missing number in an addition and a subtraction problem.</li> <li>• solve word problems having extra information and multistep word problems.</li> </ul>	<p>12 days per unit/ 45 min.</p>	<p>Read and discuss materials in text. Use interactive and hands-on activities outlined in Teacher's Edition. Assign worktext pages to provide practice. Provide reinforcement and enrichment activities and worksheets as indicated by student's mastery of skills.</p> <p><b>Evaluation Techniques</b> Teacher observation of students Class participation Worktext pages Reinforcement and enrichment worksheets Tests and quizzes</p>	<p><i>Math 6 for Christian Schools</i></p> <p><u>Teacher's Edition</u> Pages 1-36</p> <p><u>Student Worktext</u> Pages 1-25</p> <p><i>Student Materials Packet</i> As specified in the Teacher's Edition</p> <p>Various manipulative materials as specified in Teacher's Edition</p> <p><i>Spread Your Wings</i> <i>Spring Into Action</i> <i>Stretch Your Mind</i> Reinforcement and enrichment worksheets as needed</p> <p><i>Visual Packet</i> As specified in the Teacher's Edition</p> <p><u>Test Packet</u> Test Chapter One</p>	<p><b>BAT: Bible Action Truth</b> <b>BP: Bible Promise</b></p> <p><b>BAT:</b></p> <ul style="list-style-type: none"> <li>• 2b Servanthood</li> </ul> <p><b>BP:</b></p> <ul style="list-style-type: none"> <li>• E - Christ as Sacrifice</li> </ul>

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<p><b>Unit 2: Multiplication</b> The Students Will:</p> <ul style="list-style-type: none"> <li>• apply the multiplication properties.</li> <li>• write an equation for a word problem.</li> <li>• use mental math to multiply with multiples of 10; 100; and 1,000.</li> <li>• estimate the product by rounding.</li> <li>• determine an overestimate, underestimate, or close estimate.</li> <li>• multiply numbers by 1-, 2-, and 3-digit multipliers.</li> <li>• write multiplication word problems.</li> <li>• use front-end, compensation, and cross-multiplying to multiply mentally.</li> <li>• identify squares and cubes of numbers.</li> <li>• write the numbers as exponents.</li> <li>• list the factors of a number.</li> <li>• find the greatest common factor.</li> <li>• determine whether a number is divisible by 2, 3, 5, or 7.</li> <li>• determine whether a number is prime or composite.</li> <li>• identify the prime numbers to 100.</li> <li>• list the multiples of a number.</li> <li>• write the prime factorization of a number.</li> <li>• complete a factor tree.</li> <li>• find the least common multiple.</li> <li>• list the first 20 perfect squares.</li> <li>• use logic identify number patterns.</li> <li>• understand square and square root.</li> </ul>	<p>12 days per unit/ 45 min.</p>	<p>Read and discuss materials in text. Use interactive and hands-on activities outlined in Teacher's Edition. Assign worktext pages to provide practice. Provide reinforcement and enrichment activities and worksheets as indicated by student's mastery of skills.</p> <p><b>Evaluation Techniques</b> Teacher observation of students Class participation Worktext pages Reinforcement and enrichment worksheets Tests and quizzes</p>	<p><i>Math 6 for Christian Schools</i> <u>Teacher's Edition</u> Pages 37-77</p> <p><u>Student Worktext</u> Pages 26-51</p> <p><i>Student Materials Packet</i> As specified in the Teacher's Edition</p> <p>Various manipulative materials as specified in Teacher's Edition</p> <p><i>Spread Your Wings</i> <i>Spring Into Action</i> <i>Stretch Your Mind</i> Reinforcement and enrichment worksheets as needed</p> <p><i>Visual Packet</i> As specified in the Teacher's Edition</p> <p><u>Test Packet</u> Test Chapter Two</p>	<p><b>BATs:</b></p> <ul style="list-style-type: none"> <li>• 1b Repentance and faith</li> <li>• 2b Servanthood</li> <li>• 8a Faith in God's promises</li> <li>• 8d Courage</li> </ul> <p><b>BP:</b></p> <ul style="list-style-type: none"> <li>• I - God as Master</li> </ul>

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<p><b>Unit 3: Division</b> The Students Will:</p> <ul style="list-style-type: none"> <li>• identify the dividend, divisor, and quotient.</li> <li>• divide mentally multiples of 10 by 1-digit divisors.</li> <li>• solve a missing factor equation.</li> <li>• divide 1-, 2-, 3-, and 4-digit dividends by 1 digit to find 1-, 2-, 3-, and 4-digit quotients.</li> <li>• check a division problem with multiplication.</li> <li>• write the remainder as a fraction.</li> <li>• solve division word problems.</li> <li>• write a word problem for a division equation.</li> <li>• estimate the quotient by rounding the divisor.</li> <li>• divide 2- and 3-digit dividends by 2-digit divisors to get 1-digit quotients.</li> <li>• round the quotient to the nearest tenth and hundredth.</li> <li>• round the quotient to the nearest hundredth.</li> <li>• divide money by a 2-digit divisor and round the quotient to the nearest cent.</li> <li>• divide 3-, 4-, and 5-digit dividends by 3-digit divisors.</li> <li>• solve multistep word problems using the order of operations.</li> <li>• solve multistep word problems.</li> <li>• identify word problems having too little information.</li> </ul>	<p>14 days per unit/ 45 min.</p>	<p>Read and discuss materials in text. Use interactive and hands-on activities outlined in Teacher's Edition. Assign worktext pages to provide practice. Provide reinforcement and enrichment activities and worksheets as indicated by student's mastery of skills.</p> <p><b>Evaluation Techniques</b> Teacher observation of students Class participation Worktext pages Reinforcement and enrichment worksheets Tests and quizzes</p>	<p><i>Math 6 for Christian Schools</i> <u>Teacher's Edition</u> Pages 79-120</p> <p><u>Student Worktext</u> Pages 52-81</p> <p><i>Student Materials Packet</i> As specified in the Teacher's Edition</p> <p>Various manipulative materials as specified in Teacher's Edition</p> <p><i>Spread Your Wings</i> <i>Spring Into Action</i> <i>Stretch Your Mind</i> Reinforcement and enrichment worksheets as needed</p> <p><i>Visual Packet</i> As specified in the Teacher's Edition</p> <p><u>Test Packet</u> Test Chapter Three</p>	<p><b>BATs:</b></p> <ul style="list-style-type: none"> <li>• 2e Work, diligence</li> <li>• 3b Mind, orderliness</li> <li>• 4d Victory</li> </ul>

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<p><b>Unit 4: Place Value</b> The Students Will:</p> <ul style="list-style-type: none"> <li>• recognize, read, and write numbers having up to 12 digits.</li> <li>• identify the value digits in a number having up to 12 digits.</li> <li>• round numbers.</li> <li>• demonstrate a decimal fraction on a number line.</li> <li>• recognize, read, and write decimal fractions having up to 5 decimal places.</li> <li>• identify the value of digits in decimal fraction having 5 decimal places.</li> <li>• round decimal fractions.</li> <li>• compare whole numbers and decimal fractions using <math>&lt;</math>, <math>&gt;</math>, and <math>=</math>.</li> <li>• order whole numbers and decimal fractions.</li> <li>• read and write Roman numerals and Egyptian numerals.</li> <li>• develop an understanding of real numbers: counting numbers, whole numbers, rational numbers, and irrational numbers.</li> <li>• write an equation for a word problem.</li> </ul>	<p>9 days per unit/ 45 min.</p>	<p>Read and discuss materials in text. Use interactive and hands-on activities outlined in Teacher's Edition. Assign worktext pages to provide practice. Provide reinforcement and enrichment activities and worksheets as indicated by student's mastery of skills.</p> <p><b>Evaluation Techniques</b> Teacher observation of students Class participation Worktext pages Reinforcement and enrichment worksheets Tests and quizzes</p>	<p><i>Math 6 for Christian Schools</i> <u>Teacher's Edition</u> Pages 121-49</p> <p><u>Student Worktext</u> Pages 82-101</p> <p><i>Student Materials Packet</i> As specified in the Teacher's Edition</p> <p>Various manipulative materials as specified in Teacher's Edition</p> <p><i>Spread Your Wings</i> <i>Spring Into Action</i> <i>Stretch Your Mind</i> Reinforcement and enrichment worksheets as needed</p> <p><i>Visual Packet</i> As specified in the Teacher's Edition</p> <p><u>Test Packet</u> Test Chapter Four</p>	<p><b>BATs:</b></p> <ul style="list-style-type: none"> <li>• 2d Goal setting</li> <li>• 3b Mind, orderliness</li> <li>• 6b Prayer</li> <li>• 7e Humility</li> <li>• 8d Courage</li> </ul> <p><b>BP:</b></p> <ul style="list-style-type: none"> <li>• I - God as Master</li> </ul>

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Unit Content and Objectives	Time	Methods, Activities, and Evaluation	Books and Materials	Biblical Integration
<p><b>Unit 5: Common Fractions</b> The Students Will:</p> <ul style="list-style-type: none"> <li>• identify the denominator and numerator of a common fraction.</li> <li>• write a common fraction for a part of a whole, part of a set, and a point on a number line.</li> <li>• identify equivalent fractions by cross-multiplying.</li> <li>• find equivalent fractions by using multiplication and division.</li> <li>• determine whether a number is divisible by 2, 3, 4, 5, 6, 9, and 10.</li> <li>• complete a factor tree.</li> <li>• write the prime factorization of a number.</li> <li>• find the greatest common factor.</li> <li>• rename a fraction in lowest terms.</li> <li>• rename an improper fraction as a mixed number and a mixed number as an improper fraction.</li> <li>• find the least common multiple.</li> <li>• rename two fractions to their least common denominator.</li> <li>• compare fractions, mixed numbers, and improper fractions.</li> <li>• compare common fractions by cross-multiplying.</li> <li>• order common fractions.</li> <li>• use the computer to input data.</li> <li>• use the READ/DATA statements in a computer program.</li> <li>• demonstrate an understanding of variables in a computer program.</li> <li>• predict output for a computer program.</li> <li>• read a map and determine distances using a mileage scale.</li> <li>• use a map to solve word problems.</li> </ul>	<p>10 days per unit/ 45 min</p>	<p>Read and discuss materials in text. Use interactive and hands-on activities outlined in Teacher's Edition. Assign worktext pages to provide practice. Provide reinforcement and enrichment activities and worksheets as indicated by student's mastery of skills.</p> <p><b>Evaluation Techniques</b> Teacher observation of students Class participation Worktext pages Reinforcement and enrichment worksheets Tests and quizzes</p>	<p><i>Math 6 for Christian Schools</i> <u>Teacher's Edition</u> Pages 151-82</p> <p><u>Student Worktext</u> Pages 102-23</p> <p><i>Student Materials Packet</i> As specified in the Teacher's Edition</p> <p>Various manipulative materials as specified in Teacher's Edition</p> <p><i>Spread Your Wings</i> <i>Spring Into Action</i> <i>Stretch Your Mind</i> Reinforcement and enrichment worksheets as needed</p> <p><i>Visual Packet</i> As specified in the Teacher's Edition</p> <p><u>Test Packet</u> Test Chapter Five</p>	<p><b>BATs:</b></p> <ul style="list-style-type: none"> <li>• 4b Purity</li> <li>• 7d Contentment</li> </ul> <p><b>BP:</b></p> <ul style="list-style-type: none"> <li>• I - God as Master</li> </ul>

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Unit Content and Objectives	Time	Methods, Activities, and Evaluation	Books and Materials	Biblical Integration
<p><b>Unit 6: Decimal Fractions, Addition and Subtraction</b></p> <p>The Students Will:</p> <ul style="list-style-type: none"> <li>estimate the sum of an addition problem by rounding.</li> <li>add decimal fractions having up to 4 decimal places.</li> <li>write an equation for a word problem.</li> <li>estimate the difference of a subtraction problem.</li> <li>subtract decimal fractions having up to 4 decimal places.</li> <li>cooperate with each other.</li> <li>consider each other's ideas and opinions.</li> <li>identify the information.</li> <li>develop several plans for solving the problem.</li> <li>record the results.</li> <li>ensure the understanding of the plan and the result by every group member.</li> </ul>	<p>7 days per unit/ 45 min</p>	<p>Read and discuss materials in text. Use interactive and hands-on activities outlined in Teacher's Edition. Assign worktext pages to provide practice. Provide reinforcement and enrichment activities and worksheets as indicated by student's mastery of skills.</p> <p><b>Evaluation Techniques</b> Teacher observation of students Class participation Worktext pages Reinforcement and enrichment worksheets Tests and quizzes</p>	<p><i>Math 6 for Christian Schools</i></p> <p><u>Teacher's Edition</u> Pages 183-203</p> <p><u>Student Worktext</u> Pages 124-39</p> <p><i>Student Materials Packet</i> As specified in the Teacher's Edition</p> <p>Various manipulative materials as specified in Teacher's Edition</p> <p><i>Spread Your Wings</i> <i>Spring Into Action</i> <i>Stretch Your Mind</i> Reinforcement and enrichment worksheets as needed</p> <p><i>Visual Packet</i> As specified in the Teacher's Edition</p> <p><u>Test Packet</u> Test Chapter Six</p>	<p><b>BATs:</b></p> <ul style="list-style-type: none"> <li>2b Servanthood</li> <li>2e Work, cooperativeness</li> </ul>

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<p><b>Unit 7: Geometry, Plane and Three-Dimensional Figures</b></p> <p>The Students Will:</p> <ul style="list-style-type: none"> <li>• identify, draw, and name points, lines, rays, line segments, angles, planes.</li> <li>• distinguish among angles.</li> <li>• use a protractor to draw and measure angles.</li> <li>• distinguish among parallel lines, intersecting lines, and perpendicular lines.</li> <li>• develop an understanding of polygons.</li> <li>• identify and draw polygons</li> <li>• identify the number of sides and angles in polygons.</li> <li>• classify triangles by angles and sides.</li> <li>• use a protractor to measure angles in a triangle and draw triangles.</li> <li>• calculate the measure of an unknown angle in a triangle.</li> <li>• identify quadrilaterals.</li> <li>• identify and make congruent, similar, and symmetrical figures.</li> <li>• identify and draw the line of symmetry on a figure.</li> <li>• slip, flip, and turn figures.</li> <li>• identify a figure that has moved.</li> <li>• identify, draw, and name the center, a radius, a diameter, and a chord in a circle.</li> <li>• use a protractor to draw a circle and measure the central angles.</li> <li>• recognize three-dimensional figures.</li> <li>• identify the number of faces, edges, and vertices in polyhedrons.</li> <li>• classify figures as spheres, cylindrical surfaces, or conical surfaces.</li> <li>• make polyhedrons.</li> <li>• use a protractor to measure the angles in a polyhedron.</li> </ul>	<p>12 days per unit/ 45 min</p>	<p>Read and discuss materials in text. Use interactive and hands-on activities outlined in Teacher's Edition. Assign worktext pages to provide practice. Provide reinforcement and enrichment activities and worksheets as indicated by student's mastery of skills.</p> <p><b>Evaluation Techniques</b> Teacher observation of students Class participation Worktext pages Reinforcement and enrichment worksheets Tests and quizzes</p>	<p><i>Math 6 for Christian Schools</i></p> <p><u>Teacher's Edition</u> Pages 205-42</p> <p><u>Student Worktext</u> Pages 140-65</p> <p><i>Student Materials Packet</i> As specified in the Teacher's Edition</p> <p>Various manipulative materials as specified in Teacher's Edition</p> <p><i>Spread Your Wings</i> <i>Spring Into Action</i> <i>Stretch Your Mind</i> Reinforcement and enrichment worksheets as needed</p> <p><i>Visual Packet</i> As specified in the Teacher's Edition</p> <p><u>Test Packet</u> Test Chapter Seven</p>	<p><b>BATs:</b></p> <ul style="list-style-type: none"> <li>• 1b Repentance and faith</li> <li>• 2a Authority</li> <li>• 2e Work</li> </ul> <p><b>BP:</b></p> <ul style="list-style-type: none"> <li>• I - God as Master</li> </ul>

**Sixth Grade: Math**

Unit Content and Objectives	Time	Methods, Activities, and Evaluation	Books and Materials	Biblical Integration
<ul style="list-style-type: none"><li>• calculate the measure of an unknown angle in a polygon.</li><li>• solve multistep word problems.</li></ul>				

## Sixth Grade: Math

Unit Content and Objectives	Time	Methods, Activities, and Evaluation	Books and Materials	Biblical Integration
<p><b>Unit 8: Common Fractions, Addition and Subtraction</b></p> <p>The Students Will:</p> <ul style="list-style-type: none"> <li>• add like fractions.</li> <li>• subtract like fractions.</li> <li>• write an equation for a word problem</li> <li>• estimate the sum of an addition problem.</li> <li>• add and subtract mixed numbers with like denominators.</li> <li>• determine whether a fraction is closer to 0, <math>\frac{1}{2}</math>, or 1.</li> <li>• estimate the difference of a subtraction problem.</li> <li>• add and subtract unlike (related) fractions.</li> <li>• identify the least common denominator by finding the LCM.</li> <li>• add and subtract unlike fractions.</li> <li>• identify a common denominator by multiplying the denominators.</li> <li>• use the computer to input data.</li> <li>• use an IF/THEN statement in a computer program.</li> <li>• use the REM statement in a computer program.</li> <li>• compare using <math>&lt;</math>, <math>&gt;</math>, and <math>=</math> in a computer program.</li> <li>• demonstrate an understanding of a variables in a computer program.</li> <li>• write an equation for a fraction word problem.</li> </ul>	<p>9 days per unit/ 45 min</p>	<p>Read and discuss materials in text. Use interactive and hands-on activities outlined in Teacher's Edition. Assign worktext pages to provide practice. Provide reinforcement and enrichment activities and worksheets as indicated by student's mastery of skills.</p> <p><b>Evaluation Techniques</b> Teacher observation of students Class participation Worktext pages Reinforcement and enrichment worksheets Tests and quizzes</p>	<p><i>Math 6 for Christian Schools</i></p> <p><u>Teacher's Edition</u> Pages 243-70</p> <p><u>Student Worktext</u> Pages 166-85</p> <p><i>Student Materials Packet</i> As specified in the Teacher's Edition</p> <p>Various manipulative materials as specified in Teacher's Edition</p> <p><i>Spread Your Wings</i> <i>Spring Into Action</i> <i>Stretch Your Mind</i> Reinforcement and enrichment worksheets as needed</p> <p><i>Visual Packet</i> As specified in the Teacher's Edition</p> <p><u>Test Packet</u> Test Chapter Eight</p>	<p><b>BATs:</b></p> <ul style="list-style-type: none"> <li>• 5a Love</li> <li>• 5b Giving, unselfishness</li> <li>• 7c Praise</li> </ul>

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Unit Content and Objectives	Time	Methods, Activities, and Evaluation	Books and Materials	Biblical Integration
<p><b>Unit 9: Measurement, Customary</b> The Students Will:</p> <ul style="list-style-type: none"> <li>• measure to the nearest 1/16 inch.</li> <li>• write the symbol of abbreviation for each unit.</li> <li>• rename inches, feet, yards, and miles.</li> <li>• determine the appropriate unit of length, weight, and capacity.</li> <li>• rename ounces, pounds, tons, cups, pints, quarts, and gallons.</li> <li>• understand the relationship between capacity and volume.</li> <li>• find a fraction of a yard, mile, pound.</li> <li>• read a Fahrenheit thermometer.</li> <li>• determine the more sensible temperature and measurement.</li> <li>• rename customary units.</li> <li>• add, subtract, multiply, and divide customary measurements.</li> <li>• solve measurement word problems.</li> <li>• read an electric meter in kilowatt-hours and read an electric bill.</li> <li>• solve word problems relating math to another subject.</li> </ul>	<p>8 days per unit/ 45 min</p>	<p>Read and discuss materials in text. Use interactive and hands-on activities outlined in Teacher's Edition. Assign worktext pages to provide practice. Provide reinforcement and enrichment activities and worksheets as indicated by student's mastery of skills.</p> <p><b>Evaluation Techniques</b> Teacher observation of students Class participation Worktext pages Reinforcement and enrichment worksheets Tests and quizzes</p>	<p><i>Math 6 for Christian Schools</i>  <u>Teacher's Edition</u> Pages 271-95  <u>Student Worktext</u> Pages 186-203  <i>Student Materials Packet</i> As specified in the Teacher's Edition  Various manipulative materials as specified in Teacher's Edition  <i>Spread Your Wings</i> <i>Spring Into Action</i> <i>Stretch Your Mind</i> Reinforcement and enrichment worksheets as needed  <i>Visual Packet</i> As specified in the Teacher's Edition  <u>Test Packet</u> Test Chapter Nine</p>	<p><b>BATs:</b></p> <ul style="list-style-type: none"> <li>• 5c Evangelism and missions</li> <li>• 8d Courage</li> </ul>

## Sixth Grade: Math

Unit Content and Objectives	Time	Methods, Activities, and Evaluation	Books and Materials	Biblical Integration
<p><b>Unit 10: Decimal Fractions, Multiplication and Division</b></p> <p>The Students Will:</p> <ul style="list-style-type: none"> <li>• estimate the produce of a multiplication problem by rounding.</li> <li>• multiply a decimal fraction by a whole number.</li> <li>• use mental computation to multiply and divide a decimal fraction by a power (multiple) of 10.</li> <li>• write an equation for a word problem.</li> <li>• multiply a decimal fraction by a decimal fraction</li> <li>• estimate the quotient.</li> <li>• divide a decimal fraction by a whole number.</li> <li>• divide a decimal fraction by a 1- and 2-digit whole number.</li> <li>• divide a whole number by a whole number to find a decimal fraction in the quotient.</li> <li>• recognize a quotient that is a repeating decimal.</li> <li>• round a decimal fraction to the nearest thousandth.</li> <li>• rename a common fraction as a decimal fraction by dividing.</li> <li>• recognize common fractions that are repeating decimal fractions.</li> <li>• divide a whole number by a decimal fraction.</li> <li>• divide a decimal fraction by a decimal fraction</li> <li>• develop an understanding of betweenness of numbers.</li> <li>• find the decimal fractions that come between two numbers.</li> <li>• solve multistep word problems.</li> </ul>	<p>12 days per unit/ 45 min</p>	<p>Read and discuss materials in text. Use interactive and hands-on activities outlined in Teacher's Edition. Assign worktext pages to provide practice. Provide reinforcement and enrichment activities and worksheets as indicated by student's mastery of skills.</p> <p><b>Evaluation Techniques</b> Teacher observation of students Class participation Worktext pages Reinforcement and enrichment worksheets Tests and quizzes</p>	<p><i>Math 6 for Christian Schools</i></p> <p><u>Teacher's Edition</u> Pages 297-335</p> <p><u>Student Worktext</u> Pages 204-29</p> <p><i>Student Materials Packet</i> As specified in the Teacher's Edition</p> <p>Various manipulative materials as specified in Teacher's Edition</p> <p><i>Spread Your Wings</i> <i>Spring Into Action</i> <i>Stretch Your Mind</i> Reinforcement and enrichment worksheets as needed</p> <p><i>Visual Packet</i> As specified in the Teacher's Edition</p> <p><u>Test Packet</u> Test Chapter Ten</p>	<p><b>BATs:</b></p> <ul style="list-style-type: none"> <li>• 1a Understanding Jesus Christ</li> <li>• 7b Exaltation of Christ</li> <li>• 8b Faith in the Power of the Word of God</li> </ul> <p><b>BP:</b></p> <ul style="list-style-type: none"> <li>• I - God as Master</li> </ul>

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Unit Content and Objectives	Time	Methods, Activities, and Evaluation	Books and Materials	Biblical Integration
<p><b>Unit 11: Common Fractions, Multiplication and Division</b></p> <p>The Students Will:</p> <ul style="list-style-type: none"> <li>• use manipulatives and a number line to multiply a whole number times a fraction and a fraction of a fraction.</li> <li>• use manipulatives to find a fraction of a whole number and a fraction of a fraction.</li> <li>• multiply to find a whole number times a fraction, a fraction of a fraction, and a fraction of a whole number.</li> <li>• use cancellation when multiplying with fractions and mixed numbers.</li> <li>• identify the reciprocal of a fraction.</li> <li>• write an equation for a word problem.</li> <li>• multiply mixed numbers.</li> <li>• use manipulatives and a number line to divide mixed numbers, a whole number by a fraction, a fraction by a fraction, and a fraction by a whole number.</li> <li>• divide mixed numbers, a whole number by a fraction, a fraction by a fraction, and a fraction by a whole number using multiplication of the reciprocal.</li> <li>• write multiplication and division equations for a fraction family.</li> <li>• apply the Identity, Associative, and Commutative Properties of Addition to fractions.</li> <li>• apply the Zero Principle of Subtraction to fractions.</li> <li>• apply the Zero, Associative, Identity, Commutative, and distributive Properties of Multiplication to fractions.</li> <li>• solve fraction word problems.</li> </ul>	<p>11 days per unit/ 45 min</p>	<p>Read and discuss materials in text. Use interactive and hands-on activities outlined in Teacher's Edition. Assign worktext pages to provide practice. Provide reinforcement and enrichment activities and worksheets as indicated by student's mastery of skills.</p> <p><b>Evaluation Techniques</b> Teacher observation of students Class participation Worktext pages Reinforcement and enrichment worksheets Tests and quizzes</p>	<p><i>Math 6 for Christian Schools</i></p> <p><u>Teacher's Edition</u> Pages 337-69</p> <p><u>Student Worktext</u> Pages 230-53</p> <p><i>Student Materials Packet</i> As specified in the Teacher's Edition</p> <p>Various manipulative materials as specified in Teacher's Edition</p> <p><i>Spread Your Wings</i> <i>Spring Into Action</i> <i>Stretch Your Mind</i> Reinforcement and enrichment worksheets as needed</p> <p><i>Visual Packet</i> As specified in the Teacher's Edition</p> <p><u>Test Packet</u> Test Chapter Eleven</p>	<p><b>BATs:</b></p> <ul style="list-style-type: none"> <li>• 2d Goal setting</li> <li>• 8a Faith in God's promises</li> </ul> <p><b>BP:</b></p> <ul style="list-style-type: none"> <li>• I - God as Master</li> </ul>

## Sixth Grade: Math

Unit Content and Objectives	Time	Methods, Activities, and Evaluation	Books and Materials	Biblical Integration
<p><b>Unit 12: Ratio, Proportion, and Percent</b> The Students Will:</p> <ul style="list-style-type: none"> <li>• write a ratio for a set of objects and for a situation.</li> <li>• make a ratio table.</li> <li>• identify equal ratios by cross-multiplying.</li> <li>• make a ratio table and equal ratios.</li> <li>• make a proportion with ratios.</li> <li>• complete a proportion by cross-multiplying.</li> <li>• solve word problems.</li> <li>• use a diagram to solve proportions.</li> <li>• use proportions to find the lengths of sides of similar figures, the measurements from a scale drawing, and the distances on a map.</li> <li>• use proportions of shadows to find the height of objects.</li> <li>• write ratio as a percent.</li> <li>• write percent as a ratio, common fraction, and decimal fraction.</li> <li>• find the percent for a set of data.</li> <li>• write a decimal fraction and a common fraction as a percent.</li> <li>• find the percent of a number, the unknown percent, and the unknown number in a percent problem.</li> <li>• cooperate to develop several plans for solving the problem.</li> <li>• record the results.</li> <li>• ensure understanding of the plan and the result by group members.</li> </ul>	<p>11 days per unit/ 45 min</p>	<p>Read and discuss materials in text. Use interactive and hands-on activities outlined in Teacher's Edition. Assign worktext pages to provide practice. Provide reinforcement and enrichment activities and worksheets as indicated by student's mastery of skills.</p> <p><b>Evaluation Techniques</b> Teacher observation of students Class participation Worktext pages Reinforcement and enrichment worksheets Tests and quizzes</p>	<p><i>Math 6 for Christian Schools</i></p> <p><u>Teacher's Edition</u> Pages 370-408</p> <p><u>Student Worktext</u> Pages 254-77</p> <p><i>Student Materials Packet</i> As specified in the Teacher's Edition</p> <p>Various manipulative materials as specified in Teacher's Edition</p> <p><i>Spread Your Wings</i> <i>Spring Into Action</i> <i>Stretch Your Mind</i> Reinforcement and enrichment worksheets as needed</p> <p><i>Visual Packet</i> As specified in the Teacher's Edition</p> <p><u>Test Packet</u> Test Chapter Twelve</p>	<p><b>BATs:</b></p> <ul style="list-style-type: none"> <li>• 4c Honesty, fairness</li> <li>• 4d Victory</li> <li>• 5a Love, compassion</li> <li>• 6e Forgiveness</li> <li>• 7c Praise</li> </ul> <p><b>BP:</b></p> <ul style="list-style-type: none"> <li>• I - God as Master</li> </ul>

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<p><b>Unit 13: Measurement, Metric</b> The Students Will:</p> <ul style="list-style-type: none"> <li>develop an understanding of the metric system.</li> <li>determine the more sensible measure.</li> <li>determine the appropriate metric unit of length, mass, and capacity.</li> <li>measure to the nearest centimeter and nearest millimeter.</li> <li>rename metric units of length, mass, and capacity.</li> <li>add subtract, multiply, and divide metric units of length, mass, and capacity.</li> <li>distinguish between mass and weight and between capacity and volume.</li> <li>read a Celsius thermometer.</li> <li>determine the more sensible temperature.</li> <li>develop an understanding of the relationship between Celsius degrees and Fahrenheit degrees.</li> <li>rename Celsius degrees as Fahrenheit degrees and Fahrenheit degrees as Celsius degrees.</li> <li>use IF/THEN statements to compare numbers in a computer program.</li> <li>compare using <math>&lt;</math>, <math>&gt;</math>, and <math>=</math> in a computer program.</li> <li>solve multistep word problems.</li> </ul>	<p>8 days per unit/ 45 min</p>	<p>Read and discuss materials in text. Use interactive and hands-on activities outlined in Teacher's Edition. Assign worktext pages to provide practice. Provide reinforcement and enrichment activities and worksheets as indicated by student's mastery of skills.</p> <p><b>Evaluation Techniques</b> Teacher observation of students Class participation Worktext pages Reinforcement and enrichment worksheets Tests and quizzes</p>	<p><i>Math 6 for Christian Schools</i></p> <p><u>Teacher's Edition</u> Pages 409-35</p> <p><u>Student Worktext</u> Pages 278-95</p> <p><i>Student Materials Packet</i> As specified in the Teacher's Edition</p> <p>Various manipulative materials as specified in Teacher's Edition</p> <p><i>Spread Your Wings</i> <i>Spring Into Action</i> <i>Stretch Your Mind</i> Reinforcement and enrichment worksheets as needed</p> <p><i>Visual Packet</i> As specified in the Teacher's Edition</p> <p><u>Test Packet</u> Test Chapter Thirteen</p>	<p><b>BAT:</b></p> <ul style="list-style-type: none"> <li>8a Faith in God's promises</li> </ul> <p><b>BP:</b></p> <ul style="list-style-type: none"> <li>I - God as Master</li> </ul>

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Unit Content and Objectives	Time	Methods, Activities, and Evaluation	Books and Materials	Biblical Integration
<p><b>Unit 14: Geometry - Perimeter, Area, and Volume</b></p> <p>The Students Will:</p> <ul style="list-style-type: none"> <li>• find the perimeter a polygon.</li> <li>• find the perimeter of a rectangle, a square, and a regular polygon using formula.</li> <li>• write an equation for a word problem.</li> <li>• line the perimeter of a figure.</li> <li>• find the circumference of a circle</li> <li>• using a formula.</li> <li>• find the area of a rectangle, a square, and a parallelogram using a formula.</li> <li>• find the area of a triangle using a formula.</li> <li>• find the area of a circle using a formula.</li> <li>• find the surface area of prisms and cylinders using formulas.</li> <li>• find the volume of prisms and cylinders using a formula.</li> <li>• calculate the distance traveled, given rate and time.</li> <li>• calculate the rate of travel, given the distance and time.</li> <li>• calculate the time traveled given the distance and rate.</li> <li>• solve multistep word problems.</li> </ul>	<p>10 days per unit/ 45 min</p>	<p>Read and discuss materials in text. Use interactive and hands-on activities outlined in Teacher's Edition. Assign worktext pages to provide practice. Provide reinforcement and enrichment activities and worksheets as indicated by student's mastery of skills.</p> <p><b>Evaluation Techniques</b> Teacher observation of students Class participation Worktext pages Reinforcement and enrichment worksheets Tests and quizzes</p>	<p><i>Math 6 for Christian Schools</i></p> <p><u>Teacher's Edition</u> Pages 437-70</p> <p><u>Student Worktext</u> Pages 296-317</p> <p><i>Student Materials Packet</i> As specified in the Teacher's Edition</p> <p>Various manipulative materials as specified in Teacher's Edition</p> <p><i>Spread Your Wings</i> <i>Spring Into Action</i> <i>Stretch Your Mind</i> Reinforcement and enrichment worksheets as needed</p> <p><i>Visual Packet</i> As specified in the Teacher's Edition</p> <p><u>Test Packet</u> Test Chapter Fourteen</p>	<p><b>BATs:</b></p> <ul style="list-style-type: none"> <li>• 2c Faithfulness</li> <li>• 3d Body as a temple</li> <li>• 6a Bible study</li> <li>• 6b Prayer</li> <li>• 8a Faith in God's promises</li> </ul>

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<p><b>Unit 15: Statistics, Graphing, and Probability</b> The Students Will:</p> <ul style="list-style-type: none"> <li>• survey to collect data.</li> <li>• record data using tallies.</li> <li>• determine the frequency for a set of tallied data.</li> <li>• identify the mode, range, median, and mean (average) for a set of data.</li> <li>• interpret a pictograph, a single and a double bar graph, a single and a double line graph, a circle graph, a stem-and-leaf plot, and a tree diagram.</li> <li>• make a pictograph, a double bar graph, a double line graph, a circle graph using a protractor, a stem-and-leaf plot, and a tree diagram.</li> <li>• find the probability of an event.</li> <li>• predict the probability of an event.</li> <li>• find the number of possible outcomes using the Cartesian produce (cross-multiplication).</li> <li>• predict the probability of an outcome.</li> <li>• read a computer flow chart.</li> </ul>	<p>11 days per unit/ 45 min</p>	<p>Read and discuss materials in text. Use interactive and hands-on activities outlined in Teacher's Edition. Assign worktext pages to provide practice. Provide reinforcement and enrichment activities and worksheets as indicated by student's mastery of skills.</p> <p><b>Evaluation Techniques</b> Teacher observation of students Class participation Worktext pages Reinforcement and enrichment worksheets Tests and quizzes</p>	<p><i>Math 6 for Christian Schools</i></p> <p><u>Teacher's Edition</u> Pages 471-506</p> <p><u>Student Worktext</u> Pages 318-41</p> <p><i>Student Materials Packet</i> As specified in the Teacher's Edition</p> <p>Various manipulative materials as specified in Teacher's Edition</p> <p><i>Spread Your Wings</i> <i>Spring Into Action</i> <i>Stretch Your Mind</i> Reinforcement and enrichment worksheets as needed</p> <p><i>Visual Packet</i> As specified in the Teacher's Edition</p> <p><u>Test Packet</u> Test Chapter Fifteen</p>	<p><b>BATs:</b></p> <ul style="list-style-type: none"> <li>• 2b Servanthood</li> <li>• 5c Evangelism and missions</li> <li>• 8a Faith in God's promises</li> </ul> <p><b>BP:</b></p> <ul style="list-style-type: none"> <li>• I - God as Master</li> </ul>

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Unit Content and Objectives	Time	Methods, Activities, and Evaluation	Books and Materials	Biblical Integration
<p><b>Unit 16: Time and Money - Consumer Applications</b></p> <p>The Students Will:</p> <ul style="list-style-type: none"> <li>• tell time using a 12-hour and 24-hour clock.</li> <li>• differentiate between A.M. and P.M.</li> <li>• rename second, minutes, hours, days per unit, months, and years.</li> <li>• find a fraction of an hour and of a day.</li> <li>• add and subtract hours and minutes.</li> <li>• demonstrate an understanding of time zones in the United States.</li> <li>• determine elapsed time.</li> <li>• read a calendar of a year.</li> <li>• recognize equivalent units of time.</li> <li>• add and subtract years and months.</li> <li>• demonstrate an understanding of a time line.</li> <li>• calculate wages for time worked.</li> <li>• calculate net income.</li> <li>• calculate the amount of sales tax for a purchase and the total amount of a purchase including sales tax.</li> <li>• make change for a purchase.</li> <li>• write a check.</li> <li>• maintain records for a checking and a savings account.</li> <li>• calculate the amount of interest to be paid to an account.</li> <li>• cooperate with each other, considering each other's ideas and opinions.</li> <li>• identify the necessary information.</li> <li>• develop several plans for solving the problem and record the results.</li> <li>• ensure the understanding of the plan and the result by group members.</li> </ul>	<p>9 days per unit/ 45 min</p>	<p>Read and discuss materials in text. Use interactive and hands-on activities outlined in Teacher's Edition. Assign worktext pages to provide practice. Provide reinforcement and enrichment activities and worksheets as indicated by student's mastery of skills.</p> <p><b>Evaluation Techniques</b> Teacher observation of students Class participation Worktext pages Reinforcement and enrichment worksheets Tests and quizzes</p>	<p><i>Math 6 for Christian Schools</i></p> <p><u>Teacher's Edition</u> Pages 507-38</p> <p><u>Student Worktext</u> Pages 342-61</p> <p><i>Student Materials Packet</i> As specified in the Teacher's Edition</p> <p>Various manipulative materials as specified in Teacher's Edition</p> <p><i>Spread Your Wings</i> <i>Spring Into Action</i> <i>Stretch Your Mind</i> Reinforcement and enrichment worksheets as needed</p> <p><i>Visual Packet</i> As specified in the Teacher's Edition</p> <p><u>Test Packet</u> Test Chapter Sixteen</p>	<p><b>BATs:</b></p> <ul style="list-style-type: none"> <li>• 2c Faithfulness, responsibility</li> <li>• 2d Goal setting</li> <li>• 4a Sowing and reaping</li> <li>• 4c Honesty</li> <li>• 8d Courage</li> </ul>

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Unit Content and Objectives	Time	Methods, Activities, and Evaluation	Books and Materials	Biblical Integration
<p><b>Unit 17: Pre-Algebra</b> The Students Will:</p> <ul style="list-style-type: none"> <li>• develop an understanding of negative numbers.</li> <li>• compare and order positive and negative numbers.</li> <li>• add positive and negative numbers using a number line and manipulatives.</li> <li>• write an equation for a word problem.</li> <li>• add and subtract positive and negative numbers.</li> <li>• subtract positive and negative numbers using manipulatives.</li> <li>• multiply and divide positive and negative numbers using manipulatives.</li> <li>• write multiplication and division equations for a family.</li> <li>• write ordered pairs to identify points on a four-quadrant coordinate graph.</li> <li>• graph points on a four-quadrant coordinate graph.</li> <li>• solve word problems.</li> </ul>	<p>11 days per unit/ 45 min</p>	<p>Read and discuss materials in text. Use interactive and hands-on activities outlined in Teacher's Edition. Assign worktext pages to provide practice. Provide reinforcement and enrichment activities and worksheets as indicated by student's mastery of skills.</p> <p><b>Evaluation Techniques</b> Teacher observation of students Class participation Worktext pages Reinforcement and enrichment worksheets Tests and quizzes</p>	<p><i>Math 6 for Christian Schools</i></p> <p><u>Teacher's Edition</u> Pages 539-76</p> <p><u>Student Worktext</u> Pages 362-85</p> <p><i>Student Materials Packet</i> As specified in the Teacher's Edition</p> <p>Various manipulative materials as specified in Teacher's Edition</p> <p><i>Spread Your Wings</i> <i>Spring Into Action</i> <i>Stretch Your Mind</i> Reinforcement and enrichment worksheets as needed</p> <p><i>Visual Packet</i> As specified in the Teacher's Edition</p> <p><u>Test Packet</u> Test Chapter Seventeen</p>	<p><b>BAT:</b></p> <ul style="list-style-type: none"> <li>• 8a Faith in God's promises</li> </ul>

## Sixth Grade: Math

Unit Content and Objectives	Time	Methods, Activities, and Evaluation	Books and Materials	Biblical Integration
<p><b>Unit 18: Geometry, Sets</b> The Students Will:</p> <ul style="list-style-type: none"> <li>list elements (members) in a set of objects.</li> <li>use set notation to write statements about a set of objects.</li> <li>identify the intersection and the union of two sets using a Venn diagram.</li> <li>use set notation to write statements about the intersection of two sets and the union of two sets.</li> <li>identify the empty set and disjoint sets.</li> <li>identify the intersection of two sets and the union of two sets.</li> <li>use the FOR/NEXT statements in a computer program.</li> <li>use a computer program to select random numbers.</li> <li>use the INT (integer) function to change decimals to integers.</li> <li>vary the computer program to change the output.</li> <li>use logic to identify whether a statement is true or false.</li> <li>use logic to identify whether a disjunction is true or false.</li> </ul>	<p>7 days per unit/ 45 min</p>	<p>Read and discuss materials in text. Use interactive and hands-on activities outlined in Teacher's Edition. Assign worktext pages to provide practice. Provide reinforcement and enrichment activities and worksheets as indicated by student's mastery of skills.</p> <p><b>Evaluation Techniques</b> Teacher observation of students Class participation Worktext pages Reinforcement and enrichment worksheets Tests and quizzes</p>	<p><i>Math 6 for Christian Schools</i> <u>Teacher's Edition</u> Pages 577-97</p> <p><u>Student Worktext</u> Pages 386-400</p> <p><i>Student Materials Packet</i> As specified in the Teacher's Edition</p> <p>Various manipulative materials as specified in Teacher's Edition</p> <p><i>Spread Your Wings</i> <i>Spring Into Action</i> <i>Stretch Your Mind</i> Reinforcement and enrichment worksheets as needed</p> <p><i>Visual Packet</i> As specified in the Teacher's Edition</p> <p><u>Test Packet</u> Test Chapter Eighteen</p>	<p><b>BATs:</b></p> <ul style="list-style-type: none"> <li>2d Goal setting</li> <li>5a Love</li> </ul>