

# Bob Jones University Press

## Course Outline—Fourth-Grade Math

Unit Content and Objectives	Time	Methods, Activities, and Evaluation	Books and Materials	Biblical Integration
<p><b>Unit 1: Addition and Subtraction Facts</b> The Students Will:</p> <ul style="list-style-type: none"> <li>• complete addition facts with sums to 18.</li> <li>• apply the Order Principle of Addition.</li> <li>• apply the Zero Principle of Addition.</li> <li>• write an addition equation for a word problem.</li> <li>• write a word problem for an addition equation.</li> <li>• solve an addition problem having 3 or 4 addends.</li> <li>• apply the Grouping Principle of Addition.</li> <li>• complete subtraction facts with minuends to 18.</li> <li>• apply the Zero Principle of Subtraction.</li> <li>• write a subtraction equation for a word problem.</li> <li>• write a word problem for a subtraction equation.</li> <li>• identify and solve take away, comparing, unknown part, and missing addend word problems.</li> <li>• write an addition or subtraction equation for a word problem.</li> <li>• identify word problems having extra information.</li> <li>• solve word problems using the necessary information.</li> <li>• solve 2-step word problems.</li> </ul>	<p>45 min. 8 days per unit</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 4 for Christian Schools</i></p> <p><u>Teacher's Edition</u> Pages 1-24</p> <p><u>Student Worktext</u> Pages 1-14</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 Promises</b></p> <p><b>BATs:</b></p> <ul style="list-style-type: none"> <li>• 1b Repentance and faith</li> <li>• 2a Authority</li> <li>• 2b Servanthood</li> <li>• 4a Sowing and reaping</li> <li>• 4b Purity</li> <li>• 5b Giving</li> <li>• 7b Exaltation of Christ</li> <li>• 7c Praise, thankfulness</li> <li>• 7d Contentment</li> </ul> <p><b>BP:</b></p> <ul style="list-style-type: none"> <li>• I - God as Master</li> </ul>

## Fourth Grade: Math

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<p><b>Unit 2: Place Value</b> The Students Will:</p> <ul style="list-style-type: none"> <li>• recognize and read 4- to 9-digit numbers.</li> <li>• write 4- to 9-digit number sin standard form, expanded form, and as number words.</li> <li>• identify the value of the digits in 4- to 9-digit numbers.</li> <li>• make the greatest possible number and the least possible number from 4 given digits.</li> <li>• determine the number that is 1,000; 10,000; or 100,000 more or less than a given number.</li> <li>• compare 4-, 5-, and 6-digit numbers using &gt;, &lt;, and = signs.</li> <li>• order numbers to 1,000,000.</li> <li>• round numbers to the nearest 10, nearest 100, and nearest 1,000.</li> <li>• round numbers to the nearest dollar and nearest 10 dollars.</li> <li>• read a computer flow chart.</li> <li>• use the computer keyboard to input data.</li> <li>• use the GO TO statement in a computer program.</li> <li>• read and write Roman numerals to MM (2000).</li> </ul>	<p>45 min. 8 days per unit</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 4 for Christian Schools</i></p> <p><u>Teacher's Edition</u> Pages 25-49</p> <p><u>Student Worktext</u> Pages 15-28</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>• 2b Servanthood</li> <li>• 4a Sowing and reaping</li> <li>• 4b Purity</li> <li>• 5c Evangelism and missions</li> <li>• 8a Faith in God's promises</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>

## Fourth Grade: Math

Unit Content and Objectives	Time	Methods, Activities, and Evaluation	Books and Materials	Biblical Integration
<p><b>Unit 3: Addition and Subtraction</b> The Students Will:</p> <ul style="list-style-type: none"> <li>• estimate the sum of an addition problem by front-end estimation and rounding.</li> <li>• add 2-, 3-, 4-, and 5-digit numbers.</li> <li>• solve addition problems having 2, 3, and 4 addends.</li> <li>• write an addition equation for a word problem.</li> <li>• estimate the difference of a subtraction problem using front-end estimation and rounding.</li> <li>• subtract 2-, 3-, 4-, and 5-digit numbers.</li> <li>• write a subtraction equation for a word problem.</li> <li>• rename 1 thousand as 9 hundreds, 9 tens, and 10 ones.</li> <li>• rename 1 ten thousand as 9 thousands, 9 hundreds, 9 tens, and 10 ones.</li> <li>• read a catalog.</li> <li>• use a catalog to solve word problems.</li> <li>• solve 2-step word problems.</li> <li>• determine whether to overestimate or underestimate to solve a word problem.</li> </ul>	<p>45 min. 12 days per unit</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 4 for Christian Schools</i> <u>Teacher's Edition</u> Pages 50-83</p> <p><u>Student Worktext</u> Pages 29-50</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</li> <li>• 3d Body as a temple</li> <li>• 6a Bible Study</li> <li>• 7b Exaltation of Christ</li> <li>• 8b Faith in the power of the Word of God</li> <li>• 8d Courage</li> </ul>

## Fourth Grade: Math

Unit Content and Objectives	Time	Methods, Activities, and Evaluation	Books and Materials	Biblical Integration
<p><b>Unit 4: Time and Money</b> The Students Will:</p> <ul style="list-style-type: none"> <li>• tell time to the minute.</li> <li>• recognize that 1 minute consists of 60 seconds, 1 hour consists of 60 minutes, and 1 day consists of 24 hours.</li> <li>• identify the appropriate unit of time measure for specific activities.</li> <li>• rename minutes as seconds and hours as minutes.</li> <li>• differentiate between A.M. and P.M. time.</li> <li>• read a calendar of a month and a year.</li> <li>• recognize that 1 year consists of 365 days per unit, 52 weeks, 12 months; a leap year consists of 366 days per unit.</li> <li>• read and write a date using numbers to represent the month, day, and year.</li> <li>• determine the value of a set of coins and dollar bills.</li> <li>• identify the money needed to purchase an item.</li> <li>• count the change returned to a customer following a purchase.</li> <li>• determine the fewest number of bills and coins needed for a given amount of money.</li> <li>• compare amounts of money using &gt;, &lt;, and = signs.</li> <li>• demonstrate an understanding of time zones in the United States.</li> <li>• demonstrate an understanding of a time line.</li> <li>• determine the amount of time elapsed.</li> <li>• solve word problems using a time line.</li> </ul>	<p>45 min. 10 days per unit</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 4 for Christian Schools</i></p> <p><u>Teacher's Edition</u> Pages 85-111</p> <p><u>Student Worktext</u> Pages 51-68</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>• 1b Repentance and faith</li> <li>• 2d Goal setting</li> <li>• 2e Work</li> <li>• 5b Giving</li> <li>• 6a Bible study, reverence for the Bible</li> </ul> <p><b>Additional Discussions:</b></p> <ul style="list-style-type: none"> <li>• Honesty</li> <li>• Being faithful in little things</li> </ul>

## Fourth Grade: Math

Unit Content and Objectives	Time	Methods, Activities, and Evaluation	Books and Materials	Biblical Integration
<p><b>Unit 5: Multiplication Facts</b> The Students Will:</p> <ul style="list-style-type: none"> <li>• write a repeated addition equation and a multiplication fact for a set.</li> <li>• identify the factors and the product in a multiplication equation.</li> <li>• demonstrate a multiplication fact with manipulatives.</li> <li>• create an array for a multiplication fact.</li> <li>• complete multiplication facts.</li> <li>• write an addition equation to demonstrate that multiplying by 2 is the same as doubling.</li> <li>• apply the Order Principle of Multiplication, Zero Principle of Multiplication, and Multiplication-Addition Principle.</li> <li>• write a multiplication equation for a word problem.</li> <li>• write a word problem for a multiplication equation.</li> <li>• identify facts on the Multiplication Facts Table.</li> <li>• identify multiplies of 1-digit numbers.</li> <li>• complete a missing factor equation.</li> <li>• complete a simple factor tree.</li> <li>• identify a number as even or odd.</li> <li>• determine if the sum, difference, or product will be even or odd.</li> <li>• determine the number of combinations in a situation.</li> <li>• demonstrate an understanding of cross-product multiplication.</li> </ul>	<p>45 min. 11 days per unit</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 4 for Christian Schools</i> <u>Teacher's Edition</u> Pages 112-42</p> <p><u>Student Worktext</u> Pages 69-88</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>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>• D - Identified in Christ</li> <li>• G - Christ as Friend</li> <li>• H - God as Father</li> <li>• I - God as Master</li> </ul>

## Fourth Grade: Math

Unit Content and Objectives	Time	Methods, Activities, and Evaluation	Books and Materials	Biblical Integration
<p><b>Unit 6: Division Facts</b> The Students Will:</p> <ul style="list-style-type: none"> <li>• identify the dividend, divisor, and quotient in a division equation.</li> <li>• demonstrate a division fact with manipulatives.</li> <li>• write a division fact for equal sets of objects.</li> <li>• complete a missing factor equation.</li> <li>• write multiplication and division facts for a fact family.</li> <li>• complete division facts.</li> <li>• complete a division fact with 1 as the quotient.</li> <li>• complete a division fact with 0 as the dividend.</li> <li>• use repeated subtraction to solve a division fact.</li> <li>• write a division equation for a word problem.</li> <li>• use a calculator to identify the correct operative to solve a number sequence.</li> <li>• identify the equation for a word problem.</li> <li>• solve word problems.</li> </ul>	<p>45 min. 10 days per unit</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 4 for Christian Schools</i> <u>Teacher's Edition</u> Pages 143-69</p> <p><u>Student Worktext</u> Pages 89-106</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>• 3b Mind, orderliness</li> <li>• 6c Spirit-filled</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>

## Fourth Grade: Math

Unit Content and Objectives	Time	Methods, Activities, and Evaluation	Books and Materials	Biblical Integration
<p><b>Unit 7: Common Fractions</b> The Students Will:</p> <ul style="list-style-type: none"> <li>• identify the denominator and the numerator of a fraction.</li> <li>• write a fraction for part of a whole and part of a set of objects.</li> <li>• find the fractional part of a set using division.</li> <li>• compare like and unlike fractions using <math>&gt;</math> and <math>&lt;</math> signs.</li> <li>• order fractions.</li> <li>• identify equivalent fractions for part of a whole and part of a set of objects.</li> <li>• identify higher and lower terms of equivalent fractions.</li> <li>• find equivalent fractions by using multiplication and by using division.</li> <li>• identify equivalent fractions by cross-multiplying</li> <li>• rename an improper fraction as a mixed number and a mixed number as an improper fraction .</li> <li>• compare mixed numbers and fractions using <math>&gt;</math>, <math>&lt;</math>, and <math>=</math> signs.</li> <li>• conduct a probability experiment .</li> <li>• record data using tallies.</li> <li>• predict the result of a probability experiment.</li> <li>• interpret a circle graph.</li> <li>• use a circle graph to solve word problems.</li> </ul>	<p>45 min. 12 days per unit</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 4 for Christian Schools</i></p> <p><u>Teacher's Edition</u> Pages 170-200</p> <p><u>Student Worktext</u> Pages 107-28</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>• 4b Purity</li> <li>• 4d Victory</li> <li>• 5b Giving, unselfishness</li> <li>• 7a Grace</li> <li>• 7d Contentment</li> </ul>

**Fourth Grade: Math**

Unit Content and Objectives	Time	Methods, Activities, and Evaluation	Books and Materials	Biblical Integration
<p><b>Unit 8: Multiplication, One-Digit Multipliers</b>                      The Students Will:</p> <ul style="list-style-type: none"> <li>• complete multiplication facts .</li> <li>• solve a multiplication equation having 3 factors.</li> <li>• apply the Grouping Principle of Multiplication.</li> <li>• write a multiplication equation for a word problem.</li> <li>• use mental computation to multiply multiples of 10,100, and 1,000 by 1-digit numbers.</li> <li>• annex zeros to multiply multiples of 10, 100, and 1,000.</li> <li>• demonstrate a multiplication problem using manipulatives.</li> <li>• estimate the product of a multiplication problem by rounding.</li> <li>• multiply 2-, 3-, 4-, and 5-digit numbers by 1-digit numbers with and without renaming.</li> <li>• multiply an amount of money by a 1-digit number</li> <li>• use the computer keyboard to input data.</li> <li>• use the INPUT statement in a computer program.</li> <li>• predict the computer output for a given INPUT.</li> <li>• identify word problems having too little information.</li> <li>• solve word problems</li> </ul>	<p>45 min.                      11 days                      per unit</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 4 for Christian Schools</i>   <u>Teacher’s Edition</u>                      Pages 201-27   <u>Student Worktext</u>                      Pages 129-48   <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 Eight</p>	<p><b>BATs:</b></p> <ul style="list-style-type: none"> <li>• 1a Understanding Jesus Christ</li> <li>• 2a Authority, obedience</li> <li>• 7c Praise</li> </ul> <p><b>BP:</b></p> <ul style="list-style-type: none"> <li>• I - God as Master</li> </ul>

## Fourth Grade: Math

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>estimate the length of an object to the nearest inch</li> <li>measure to the nearest inch, half inch, fourth inch, foot, and yard.</li> <li>determine the more sensible length, height, distance, weight, capacity, and temperature.</li> <li>recognize that 1 foot consists of 12 inches, 1 yard consists of 3 feet or 36 inches, and 1 mile consists of 5,280 feet or 1,760 yards.</li> <li>rename inches, feet, yards, miles.</li> <li>determine the appropriate unit of length, weight, and capacity.</li> <li>measure to the nearest ounce and pound.</li> <li>recognize that 1 pound consists of 16 ounces and 1 ton consists of 2,000 pounds.</li> <li>rename ounces, pounds, tons.</li> <li>measure to the nearest cup, pint, and quart.</li> <li>recognize that 1 pint consists of 2 cups, 1 quart consists of 2 pints, and 1 gallon consists of 4 quarts.</li> <li>rename cups, pints, quarts, gallons .</li> <li>measure temperature using a Fahrenheit thermometer.</li> <li>demonstrate an understanding of capacity units used in Bible times.</li> <li>use a map to solve word problems.</li> <li>write an itinerary for a trip.</li> </ul>	<p>45 min. 8 days per unit</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 4 for Christian Schools</i></p> <p><u>Teacher's Edition</u> Pages 228-51</p> <p><u>Student Worktext</u> Pages 149-62</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 Nine</p>	<p><b>BAT:</b></p> <ul style="list-style-type: none"> <li>8d Courage</li> </ul> <p><b>BP:</b></p> <ul style="list-style-type: none"> <li>I - God as Master</li> </ul>

## Fourth Grade: Math

Unit Content and Objectives	Time	Methods, Activities, and Evaluation	Books and Materials	Biblical Integration
<p><b>Unit 10: Division, One-Digit Divisors</b> The Students Will:</p> <ul style="list-style-type: none"> <li>• divide mentally multiples of 10 and 100 by 1-digit divisors.</li> <li>• check a division problem with multiplication.</li> <li>• demonstrate a division problem with manipulatives.</li> <li>• write an equation for a word problem.</li> <li>• divide 2-digit numbers by -digit divisors to find 1- and 2-digit quotients.</li> <li>• determine whether the quotient is a 1- or 2-digit number.</li> <li>• divide 3-digit numbers by 1-digit divisors to find 2- and 3-digit quotients.</li> <li>• determine whether the quotient is a 2- or 3-digit number.</li> <li>• divide 2- and 3-digit numbers by 1-digit divisors to find quotients with 0.</li> <li>• divide dollars and cents by 1-digit divisors.</li> <li>• write a word problem for a division equation.</li> <li>• find the average of a group of 2- and 3-digit numbers.</li> <li>• determine whether a number is divisible by 2, 3, 5, or 10.</li> <li>• solve division word problems.</li> <li>• determine the use of the remainder for a division word problem.</li> </ul>	<p>45 min. 12 days per unit</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 4 for Christian Schools</i> <u>Teacher's Edition</u> Pages 252-86 <u>Student Worktext</u> Pages 163-84 <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 Ten</p>	<p><b>BATs:</b></p> <ul style="list-style-type: none"> <li>• 1c Separation from the world</li> <li>• 7c Praise</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>

## Fourth Grade: Math

Unit Content and Objectives	Time	Methods, Activities, and Evaluation	Books and Materials	Biblical Integration
<p><b>Unit 11: Decimal Fractions</b> The Students Will:</p> <ul style="list-style-type: none"> <li>• demonstrate a decimal fraction with manipulatives and on the number line.</li> <li>• write a common fraction or a mixed number as a decimal fraction.</li> <li>• identify the digits in the Hundreds place, Tens place, and Hundredths place.</li> <li>• rename 1 tenth as 10- hundredths.</li> <li>• compare decimal fraction using <math>&gt;</math>, <math>&lt;</math>, and <math>=</math> signs.</li> <li>• order decimal fractions.</li> <li>• rename 10 tenths as 1 one and 10 hundredths as 1 tenth.</li> <li>• add and subtract decimal fractions.</li> <li>• use a calculator to check answers.</li> <li>• write an addition or subtraction equation for a word problem.</li> <li>• round decimal fractions to the nearest whole number.</li> <li>• estimate the sum of an addition problem and the difference of a subtraction problem by rounding.</li> <li>• demonstrate an understanding of the use of decimal fractions in money, time, and measurement.</li> <li>• use the computer to solve multiple operations equations.</li> <li>• demonstrate an understanding of associativity on a computer.</li> <li>• demonstrate an understanding of associativity on a calculator (optional)</li> <li>• determine distances using a mileage scale .</li> <li>• use a map to solve word problems.</li> </ul>	<p>45 min. 10 days per unit</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 4 for Christian Schools</i> <u>Teacher's Edition</u> Pages 287-317 <u>Student Worktext</u> Pages 185-202 <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 Eleven</p>	<p><b>BATs:</b></p> <ul style="list-style-type: none"> <li>• 3a Self concept</li> <li>• 5c Evangelism and missions</li> <li>• 6a Bible study</li> <li>• 6c Spirit-filled</li> <li>• 8a Faith in God's promises</li> </ul> <p><b>BP:</b></p> <ul style="list-style-type: none"> <li>• H - God as Father</li> </ul>

## Fourth Grade: Math

Unit Content and Objectives	Time	Methods, Activities, and Evaluation	Books and Materials	Biblical Integration
<p><b>Unit 12: Geometry - Plane Figures</b> The Students Will:</p> <ul style="list-style-type: none"> <li>• identify and name points.</li> <li>• identify and name line segments.</li> <li>• identify and name lines.</li> <li>• distinguish between parallel lines and intersecting lines.</li> <li>• identify and name rays.</li> <li>• identify the vertex and side of angle.</li> <li>• identify the number of sides, vertices, and angles of polygons.</li> <li>• recognize a triangle, quadrilateral, pentagon, hexagon, septagon, and octagon.</li> <li>• recognize a square and a rectangle as special quadrilaterals.</li> <li>• find the perimeter of a figure.</li> <li>• recognize a circle.</li> <li>• identify the center of a circle.</li> <li>• name a circle.</li> <li>• identify and name the radius and the diameter of a circle.</li> <li>• use a compass to draw a circle.</li> <li>• demonstrate an understanding of linear units used in Bible times.</li> <li>• interpret a Venn diagram.</li> <li>• make a Venn diagram.</li> </ul>	<p>45 min. 9 days per unit</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 4 for Christian Schools</i>  <u>Teacher's Edition</u> Pages 319-43  <u>Student Worktext</u> Pages 203-18  <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 Twelve</p>	<p><b>BATs:</b></p> <ul style="list-style-type: none"> <li>• 1b and faith</li> <li>• 2a Authority, obedience</li> <li>• 5c Evangelism and missions</li> </ul> <p><b>BP:</b></p> <ul style="list-style-type: none"> <li>• H - God as Father</li> <li>• I - God as Master</li> </ul>

## Fourth Grade: Math

Unit Content and Objectives	Time	Methods, Activities, and Evaluation	Books and Materials	Biblical Integration
<p><b>Unit 13: Multiplication, Two-Digit Multipliers</b> The Students Will:</p> <ul style="list-style-type: none"> <li>• use mental computation to multiply factors which are multiples of 10.</li> <li>• annex zeros to multiply multiples of 10.</li> <li>• demonstrate a multiplication problem using an array.</li> <li>• estimate the product of a multiplication problem by rounding.</li> <li>• demonstrate a multiplication equation using manipulatives.</li> <li>• apply the Multiplication-Addition Principle.</li> <li>• multiply 2- and 3-digit numbers by 2-digit numbers.</li> <li>• write a multiplication equation for a word problem.</li> <li>• multiply an amount of money by a 2-digit number</li> <li>• write an equation for a money word problem.</li> </ul>	<p>45 min. 8 days per unit</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 4 for Christian Schools</i> <u>Teacher's Edition</u> Pages 344-63</p> <p><u>Student Worktext</u> Pages 219-32</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>BATs:</b></p> <ul style="list-style-type: none"> <li>• 1c Separation from the world</li> <li>• 8c Fight</li> </ul> <p><b>BP:</b></p> <ul style="list-style-type: none"> <li>• I - God as Master</li> </ul>

## Fourth Grade: Math

Unit Content and Objectives	Time	Methods, Activities, and Evaluation	Books and Materials	Biblical Integration
<p><b>Unit 14: Measurement - Metric</b> The Students Will:</p> <ul style="list-style-type: none"> <li>• determine the more sensible length, height, distance, capacity, mass, and temperature.</li> <li>• recognize that 1 meter consists of 10 decimeters or 100 centimeters or 1000 millimeters, 1 kilometer consists of 1000 meters, and 1 centimeter consists of 10 millimeters.</li> <li>• rename millimeters, centimeters, decimeters, meters, kilometers.</li> <li>• determine the appropriate metric unit of length, capacity, and mass.</li> <li>• estimate the length of an object to the nearest centimeter.</li> <li>• draw an estimated length.</li> <li>• measure to the nearest millimeter, centimeter, and meter.</li> <li>• measure to the nearest milliliter and liter.</li> <li>• recognize that 1 liter consists of 1000 milliliters.</li> <li>• rename milliliters and liters.</li> <li>• estimate the mass of an object to the nearest gram.</li> <li>• measure to the nearest gram and kilogram.</li> <li>• recognize that 1 kilogram consists of 1000 grams.</li> <li>• rename grams and kilograms.</li> <li>• measure temperature using a Celsius thermometer.</li> <li>• write ordered pairs to identify points on a coordinate graph.</li> <li>• graph points on a coordinate graph.</li> <li>• use logic to solve problems.</li> </ul>	<p>45 min. 8 days per unit</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 4 for Christian Schools</i> <u>Teacher's Edition</u> Pages 364-87</p> <p><u>Student Worktext</u> Pages 233-46</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>• 5a Love</li> <li>• 6a Bible study, reverence for the Bible</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>

## Fourth Grade: Math

Unit Content and Objectives	Time	Methods, Activities, and Evaluation	Books and Materials	Biblical Integration
<p><b>Unit 15: Division, Two-Digit Divisors</b> The Students Will:</p> <ul style="list-style-type: none"> <li>• divide 2- and 3- digit multiples of 10 by 2-digit multiples of 10 to find 1-digit quotients.</li> <li>• check a division problem with multiplication.</li> <li>• check a division problem with multiplication.</li> <li>• write an equation for a word problem.</li> <li>• divide 2- and 3-digit multiples of 10 by 2-digit multiples of 10 to find 1-digit quotients.</li> <li>• estimate the quotient by rounding the divisor.</li> <li>• divide 2- and 3-digit numbers by 2-digit divisors to find 1- and 2-digit quotients.</li> <li>• divide dollars and cents by 2-digit divisors.</li> <li>• write a word problem for a division equation.</li> <li>• use the computer keyboard to input data.</li> <li>• demonstrate an understanding of computer commands.</li> <li>• use the computer to solve word problems.</li> <li>• solve word problems.</li> </ul>	<p>45 min. 9 days per unit</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 4 for Christian Schools</i> <u>Teacher's Edition</u> Pages 388-415 <u>Student Worktext</u> Pages 247-62 <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 <u>Visual Packet</u> As specified in the Teacher's Edition <u>Test Packet</u> Test Chapter Fifteen</p>	<p><b>BATs:</b></p> <ul style="list-style-type: none"> <li>• 1a Understanding Jesus Christ</li> <li>• 2c Faithfulness, endurance</li> <li>• 8a Faith in God's promises</li> </ul> <p><b>BP:</b></p> <ul style="list-style-type: none"> <li>• E - Christ as Sacrifice</li> </ul>

## Fourth Grade: Math

Unit Content and Objectives	Time	Methods, Activities, and Evaluation	Books and Materials	Biblical Integration
<p><b>Unit 16: 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>• rename fractions into lowest terms.</li> <li>• add mixed numbers.</li> <li>• subtract mixed numbers.</li> <li>• add unlike fractions.</li> <li>• subtract unlike fractions.</li> <li>• find equivalent fractions.</li> <li>• write a fraction as a percent.</li> <li>• write a percent as a fraction.</li> <li>• use ratios to solve problems</li> </ul>	<p>45 min. 9 days per unit</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 4 for Christian Schools</i></p> <p><u>Teacher's Edition</u> Pages 416-42</p> <p><u>Student Worktext</u> Pages 263-78</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>• 2b Servanthood, teamwork</li> <li>• 2d Goal setting, dedication, determination, perseverance</li> <li>• 7e Humility</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 17: Statistics and Graphing</b> The Students Will:</p> <ul style="list-style-type: none"> <li>• read a bar graph.</li> <li>• read a pictograph.</li> <li>• read a line graph.</li> <li>• calculate the average for a set of data.</li> <li>• make a bar graph.</li> <li>• make a pictograph.</li> <li>• make a line graph.</li> <li>• survey to collect data.</li> <li>• record data using tallies.</li> <li>• determine the frequency for a set of data.</li> <li>• identify the mode for a set of data.</li> <li>• make graphs from a frequency table.</li> <li>• demonstrate an understanding of longitude and latitude.</li> <li>• locate a state on a map using the longitude and latitude coordinates.</li> <li>• use the memory keys on a calculator.</li> <li>• use a calculator to solve multistep word problems.</li> </ul>	<p>45 min. 7 days per unit</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 4 for Christian Schools</i> <u>Teacher's Edition</u> Pages 443-63</p> <p><u>Student Worktext</u> Pages 279-90</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>BATs:</b></p> <ul style="list-style-type: none"> <li>• 6a Bible Study</li> <li>• 6b Prayer</li> </ul> <p><b>BP:</b></p> <ul style="list-style-type: none"> <li>• I - God as Master</li> </ul>

## Fourth Grade: Math

Unit Content and Objectives	Time	Methods, Activities, and Evaluation	Books and Materials	Biblical Integration
<p><b>Unit 18: Geometry, Three-Dimensional Figures</b></p> <p>The Students Will:</p> <ul style="list-style-type: none"> <li>• identify congruent figures.</li> <li>• make congruent figures.</li> <li>• identify similar figures.</li> <li>• make similar figures.</li> <li>• make symmetrical figures.</li> <li>• identify the line of symmetry on a figure.</li> <li>• draw the line of symmetry on a figure.</li> <li>• find the perimeter of a figure.</li> <li>• develop an understanding of the formula for finding perimeter.</li> <li>• write an equation for a word problem.</li> <li>• find the area of a region.</li> <li>• develop an understanding of the formula for finding area.</li> <li>• recognize a sphere, a cylinder, a cone, a pyramid, and a rectangular prism.</li> <li>• identify the flat and curved surfaces of a three-dimensional figure.</li> <li>• find the volume of a three-dimensional figure.</li> <li>• develop an understanding of the formula for finding volume.</li> <li>• identify a figure that has been moved.</li> <li>• flip, slide, and turn figures.</li> <li>• solve multistep word problems.</li> </ul>	<p>45 min. 9 days per unit</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 4 for Christian Schools</i></p> <p><u>Teacher's Edition</u> Pages 464-91</p> <p><u>Student Worktext</u> Pages 291-306</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>• 1c Separation from the world</li> <li>• 6a Bible study</li> <li>• 7e Humility</li> </ul> <p><b>BP:</b></p> <ul style="list-style-type: none"> <li>• A - Liberty from Sin</li> <li>• H - God as Father</li> <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 19: Pre-Algebra</b> The Students Will:</p> <ul style="list-style-type: none"> <li>develop an understanding of negative numbers.</li> <li>add positive and negative numbers on the number line.</li> <li>add positive and negative numbers using manipulatives.</li> <li>apply the Zero Principle.</li> <li>write an equation for a word problem.</li> <li>subtract positive and negative numbers using manipulatives.</li> <li>write a number sentence to solve a word problem.</li> </ul>	<p>45 min. 8 days per unit</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 4 for Christian Schools</i></p> <p><u>Teacher's Edition</u> Pages 492-516</p> <p><u>Student Worktext</u> Pages 307-20</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 Nineteen</p>	<p><b>BATs:</b></p> <ul style="list-style-type: none"> <li>2e Work</li> <li>8a Faith in God's promises</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 20: Group Problem Solving</b> The Students Will:</p> <ul style="list-style-type: none"> <li>• determine the cost of pizza for the whole class.</li> <li>• determine the cost of drinks for the whole class.</li> <li>• determine the cost of napkins, cups, and plates for the whole class.</li> <li>• determine the cost of the party for each student.</li> <li>• determine which books to buy for the classroom.</li> <li>• determine how many pounds of cans need to be collected to purchase a computer.</li> <li>• determine how many cans need to be collected to purchase a computer.</li> <li>• determine how long it will take to collect enough cans to purchase a computer.</li> <li>• determine whether it would be preferable to donate the soda money instead of recycling the cans.</li> <li>• determine how much liquid is represented in the amount of cans collected.</li> <li>• determine how much it will cost for the class to go to the science museum.</li> <li>• determine how much it will cost each student go to go to the science museum.</li> <li>• determine which pet to buy.</li> <li>• determine how much per month it costs to feed the pet.</li> <li>• determine how much per year it costs to feed the pet.</li> </ul>	<p>45 min. 6 days per unit</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 4 for Christian Schools</i> <u>Teacher's Edition</u> Pages 518-35 <u>Student Worktext</u> Pages 321-30 <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 Twenty</p>	<p><b>BATs:</b></p> <ul style="list-style-type: none"> <li>• 2b Servanthood, teamwork</li> <li>• 2e Work, cooperativeness</li> <li>• 5a Love, kindness</li> <li>• 8c Fight</li> <li>• 8d Courage</li> </ul>