

Curriculum Guide for 3rd Grade Arithmetic

Unit 1: Nocturnal Creatures

7 weeks

A 3.1, A 3.2, A 3.3, A 3.7

Biblical Worldview Essential Questions

What is Math good for? How is it a part of creation?

Objectives	Methods	Resources	Assessment
<p>The students will understand</p> <ul style="list-style-type: none">• Place value to hundred thousands• Rounding numbers to nearest 10/100• Addition/Subtraction Families 1-18• Addition with carrying• Subtraction with borrowing• Multiplication/Division Tables 0-4• Addition/Subtraction of money• Geometric plane/solid figures• Geometric concepts• Linear/Time/Liquid measures• Clock to the nearest minute/elapsed time• Measures to nearest $\frac{1}{2}$ inch	<ul style="list-style-type: none">• Lecture/ demonstration• Class discussion• Oral drills• Flash card drills• Class games• Board work	<ul style="list-style-type: none">• Arithmetic text 3• Arithmetic 3 Tests and Speed Drills• Arithmetic Charts• Concept Cards• 1-100 chart• Addition/ Subtraction flash cards• Demonstration clock• Play money set	<ul style="list-style-type: none">• Textbook work• Speed drills• Publisher-made test• Oral answers in class• Quizzes

Curriculum Guide for 3rd Grade Arithmetic

Unit 2: Travel around the United States

9 weeks

A 3.1, A 3.2, A 3.3, A 3.4

Biblical Worldview Essential Questions

Why is it important as Christians that we know that there is a right answer?

How are parables like story problems?

God created all things; how does using Math show us that He determined the way things would operate?

Objectives	Methods	Resources	Assessment
<p>The students will understand</p> <ul style="list-style-type: none">• Estimating sums/differences• Multiplication/Division Tables 5-7• Multiplication with carrying• Multiplying money• Long division with remainders• Checking division using multiplication• Thermometers/References temperatures• Pictographs• Bar graphs• Line graphs• Metric linear/liquid measures• Measures to the nearest cm• Dry/Calendar/Dozen/Mass measures• Converting measures	<ul style="list-style-type: none">• Lecture/demonstration• Class discussion• Oral drills• Flash card drills• Class games• Board work	<ul style="list-style-type: none">• Arithmetic text 3• Arithmetic 3 Tests and Speed Drills• Arithmetic Charts• Concept Cards• 1-100 chart• Addition/ Subtraction flash cards• Demonstration clock• Play money set• Rulers	<ul style="list-style-type: none">• Textbook work• Speed drills• Publisher-made tests• Oral answers in class discussions• Quizzes

Curriculum Guide for 3rd Grade Arithmetic

Unit 3: Zoos around the World

9 weeks

A 3.1, A 3.2, A 3.3, A 3.4

Biblical Worldview Essential Questions

Why is it important to God that we commit things to memory?

Objectives	Methods	Resources	Assessment
The students will understand <ul style="list-style-type: none">• Multiplication/Division tables 8-11• Order of operations• Fractional parts of whole numbers• Four-digit dividends• Measurement conversion story problems• Roman numerals• Adding/Subtracting fractions• Equivalent fractions• Reducing fractions• Adding/subtracting mixed numbers	<ul style="list-style-type: none">• Lecture/ demonstration• Class discussion• Oral drills• Flash card drills• Class games• Board work	Arithmetic text 3 <ul style="list-style-type: none">• Arithmetic 3 Tests and Speed Drills• Arithmetic Charts• Concept Cards• 1-100 chart• Addition/ Subtraction flash cards• Demonstration clock• Play money set• Rulers	<ul style="list-style-type: none">• Speed drills• Publisher-made test• Oral answers during class discussions• Workbook assignments• Quizzes

Curriculum Guide for 3rd Grade Arithmetic

Unit 4: Space

9 weeks

A 3.1, A 3.2, A 3.4, A 3.5

Biblical Worldview Essential Questions

How is Math a testimony to God's faithfulness and power?

Objectives	Methods	Resources	Assessment
The students will understand <ul style="list-style-type: none">• Multiplication/Division Table 12• Dividing Money• Averaging numbers• Two-digit divisors• Round money to nearest dollar• Making Change	<ul style="list-style-type: none">• Lecture/ demonstration• Class discussion• Oral drills• Flash card drills• Class games• Board work	Arithmetic text 3 <ul style="list-style-type: none">• Arithmetic 3 Tests and Speed Drills• Arithmetic Charts• Concept Cards• 1-100 chart• Addition/ Subtraction flash cards• Demonstration clock• Play money set• Rulers	<ul style="list-style-type: none">• Speed Drills• Publisher-made tests• Oral answers to class discussion• Math work text• Quizzes