

Curriculum Guide for 4th Grade Math

Unit 1

9 weeks

Objectives: A4.1, A4.2, A4.3, A4.4, A4.5, A4.6, A4.7

Biblical Worldview Essential Questions

How do you think God looks at Math?

Why do you think Math is important to God?

| Objectives | Methods | Resources | Assessment |
|---|---|--|--|
| The students will 1. write and read numbers up to the hundred millions 2. recall that God's creation is orderly 3. add and subtract whole numbers 4. multiply with three-digit multipliers 5. divide using remainders 6. list story problem clue words 7. identify "clues" that point to a correct relationship with God 8. apply measurement facts to equations 9. identify fractions 10. add and subtract fractions with a common denominator | <ul style="list-style-type: none"> • oral drill • speed drill • board work • scrap paper practice • board work • individual practice • demonstration • hands-on activities • class games | <ul style="list-style-type: none"> • student text (Arithmetic 4) • teacher text (Arithmetic 4) • place value cards • measurement fact cards • computation drill cards • fraction pieces • flash cards (+, -, x, /) • ruler | <ul style="list-style-type: none"> • individual assignments • speed drills • responses given in class • quizzes • tests |

Curriculum Guide for 4th Grade Math

Unit 2

9 weeks

Objectives: A4.1, A4.2, A4.3, A4.4, A4.5, A4.6, A4.7

Biblical Worldview Essential Questions

How does Math line up with God being eternal?

How is God's view of us measured differently than our view of ourselves?

| Objectives | Methods | Resources | Assessment |
|---|--|---|--|
| The students will 1. write and read mixed numbers 2. add and subtract mixed numbers 3. convert between metric measures 4. apply time facts to equations 5. recite that God is infinite and is not restricted to time 6. reduce fractions 7. change improper fractions to mixed numbers 8. add and subtract fractions with uncommon denominators 9. read and write Roman numerals 10. estimate answers | <ul style="list-style-type: none">• oral drill• speed drill• board work• scrap paper practice• individual practice• demonstration• class games | <ul style="list-style-type: none">• student text (Arithmetic 4)• teacher text (Arithmetic 4)• Holy Bible• metric fact cards• Roman numeral cards• fraction flash cards• computation drill cards• ruler | <ul style="list-style-type: none">• individual assignments• responses given in class• speed drills• quizzes• tests |

Curriculum Guide for 4th Grade Math

Unit 3

9 weeks

Objectives: A4.2, A4.3, A4.4, A4.5, A4.6

Biblical Worldview Essential Questions

**How are understanding story problems like God's word?
How do the days of creation relate to the importance of numbers?**

| Objectives | Methods | Resources | Assessment |
|---|--|--|--|
| The students will 1. subtract mixed numbers where borrowing is needed 2. multiply fractions 3. apply the divisibility rules 4. recall that God's laws are unchanging 5. use cancellation 6. read and draw four types of graphs 7. read scale drawings 8. use scale drawings to read biblical maps 9. add and subtract decimals | <ul style="list-style-type: none">• oral drill• speed drill• board work• scrap paper practice• individual practice• demonstration• class games | <ul style="list-style-type: none">• student text (Arithmetic 4)• teacher text (Arithmetic 4)• Holy Bible• fraction flash cards• computation drill cards• scale drawings• flash cards• ruler | <ul style="list-style-type: none">• individual assignments• speed drills• responses given in class• quizzes• tests |

Curriculum Guide for 4th Grade Math

Unit 4

9 weeks

Objectives: A4.1, A4.2, A4.3, A4.4, A4.5, A4.8, A4.9

Biblical Worldview Essential Questions

What does adding/subtracting/multiplying/dividing have to do with God?

How do we know that God holds everything together?

As believers why is it important that we appreciate the structure of math?

| Objectives | Methods | Resources | Assessment |
|--|--|--|--|
| The students will 1. write and read decimals to the thousandths place 2. make change 3. read thermometers (F and C) 4. measure to the nearest quarter inch 5. recall that God “measures” man by looking at the heart 6. solve simple equations 7. understand that the Bible has the “formula” to meet man’s greatest need 8. identify and draw geometric shapes 9. find the perimeters and areas of squares and rectangles using formulas | <ul style="list-style-type: none"> • oral drill • speed drill • board word • scrap paper practice • individual practice • demonstration • class games | <ul style="list-style-type: none"> • student text (Arithmetic 4) • teacher text (Arithmetic 4) • Holy Bible • fact cards • thermometer • money demonstration • geometric shapes • computation drill cards • ruler | <ul style="list-style-type: none"> • individual assignments • responses given in class • speed drills • quizzes • tests |