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2009-2010 Curriculum Catalog

Mathematics 700

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This course catalog covers the following course:

- Mathematics 700

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Glynlyon Curriculum Development Team

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Mathematics 700

Unit 1

Assignment Title
1. Introductory Review(1)
2. Introductory Review(2)
3. Venn Diagrams
4. Sets: Special Symbols
5. Sets: Types
6. Sets: Uses
7. Sets: Intersection
8. Sets: Union
9. Sets: Review of Sets
10. Quiz 1
11. Ancient Number Systems
12. Decimal Number System
13. Number Systems: Base Ten and Base Five
14. Number Systems: Base Two
15. Number Systems: Base Sixteen
16. Quiz 2
17. Special Project
18. TEST
19. ALTERNATE TEST

Unit 2

Assignment Title
1. Place Value Review
2. Expanded and Exponential Form
3. Review: Addition with Carrying
4. More Review: Addition with Carrying
5. Review: Subtraction with Regrouping
6. Quiz 1
7. Place Value Less Than Zero
8. Decimals: Addition and Subtraction 1
9. Decimals: Addition and Subtraction 2
10. Decimals: Applications
11. Quiz 2
12. Special Project
13. TEST
14. ALTERNATE TEST

Unit 3

Assignment Title
1. Number Order
2. Number Sentences
3. Number Patterns and Ordered Pairs
4. Quiz 1
5. Rounding Numbers 1
6. Rounding Numbers 2
7. Estimating Sums
8. More Estimating
9. Estimation Word Problems
10. Estimation Exercises
11. Division, Remainders, and Your Calculator
12. Quiz 2
13. Special Project
14. TEST
15. ALTERNATE TEST

Unit 4

Assignment Title
1. Properties of Addition and Multiplication
2. The Distributive Property
3. Multiplication 1
4. Multiplication 2
5. Functions
6. Quiz 1
7. Division 1
8. Division 2
9. Division 3
10. Customary Units of Measure
11. Multiplying and Dividing Weights and Measures
12. Calculators and Prime Numbers
13. Quiz 2
14. Special Project
15. TEST
16. ALTERNATE TEST

Mathematics 700 (cont.)**Unit 5**

Assignment Title
1. Divisibility Rules and Factor Trees
2. Greatest Common Factor/Least Common Multiple
3. Quiz 1
4. Proper Fractions
5. Improper Fractions 1
6. Comparing Fractions
7. Quiz 2
8. Comparing Decimal Numbers
9. Fractions as Decimals
10. Decimals, Fractions, and Percents
11. Quiz 3
12. Ratios and Proportions
13. Metric Measurement
14. Terminating and Repeating Decimals
15. Decimals with a Calculator
16. Uses of Percents
17. Quiz 4
18. Fractions: Adding and Subtracting with Like Denominators
19. Adding and Subtracting Fractions
20. More Adding and Subtracting Fractions
21. Mixed Numbers: Adding and Subtracting with Like Denominators
22. Mixed Numbers: Subtracting with Regrouping
23. Problem Solving with Fractions
24. Least Common Denominators
25. Equivalent Fractions
26. Fractions: Adding and Subtracting with Unlike Denominators
27. Reducing Final Answers
28. More Fractions: Adding and Subtracting with Unlike Denominators
29. Even More Addition and Subtraction of Fractions
30. More Problem Solving with Fractions
31. Quiz 5
32. Special Project
33. TEST
34. ALTERNATE TEST

Unit 6

Assignment Title
1. Multiplying Fractions
2. Reducing Fractions
3. Multiplying Mixed Numbers
4. More Multiplying Mixed Numbers
5. Dividing Fractions and Mixed Numbers
6. Problem Solving: Multiplication, Division, and Reasonable Answers
7. Quiz 1
8. Converting Fractions to Decimals
9. Decimal Fractions: Multiplication
10. Decimal Fractions: Division
11. Decimal Fractions: Word Problems
12. Quiz 2
13. Solving for Percentages
14. Solving for Percentages: Rate and Base
15. Quiz 3
16. Special Project
17. TEST
18. ALTERNATE TEST

Unit 7

Assignment Title
1. Introduction to Lines, and Angles
2. Using a Protractor
3. Quiz 1
4. Triangle Terms
5. Perimeter and Area of Triangles
6. Quiz 2
7. Perimeter and Area of Squares and Rectangles
8. Parallelograms, Trapezoids, and Formulas
9. Quiz 3
10. Circles
11. Hexagons
12. Quiz 4
13. Ratio Review
14. Proportion Review
15. Similar Figures and Scale Drawings
16. Quiz 5
17. Special Project
18. TEST
19. ALTERNATE TEST

Mathematics 700 (cont.)

Unit 8

Assignment Title
1. Introduction to Statistics
2. Introduction to Frequency Distribution
3. Quiz 1
4. Measures of Central Tendency: Mode and Median
5. Measures of Central Tendency: Mean and Range
6. Quiz 2
7. Review: Types of Graphs
8. Coordinate Graphs
9. Quiz 3
10. Special Project
11. TEST
12. ALTERNATE TEST

Unit 9

Assignment Title
1. Solving for Unknown Variables
2. Formulas: From Interest to Miles per Gallon
3. Ordered Pairs and Functions
4. Quiz 1
5. Equations: Defining and Solving
6. Isolating the Variable
7. Using Formulas to Solve Problems
8. Quiz 2
9. Review: Ratios
10. Review: Proportions
11. Quiz 3
12. Special Project
13. TEST
14. ALTERNATE TEST

Unit 10

Assignment Title
1. Place Value, Order, and Rounding
2. Central Tendency, Ratios, and Proportions
3. Problem Solving Strategies
4. Quiz 1
5. Geometric Properties
6. Sets
7. Number Systems and Factorization
8. Quiz 2
9. Operating on Fractions and Decimals
10. Base, Rate, and Percentage
11. Percentages and Averages
12. Quiz 3
13. Formula Review
14. Solving Equations
15. Ratios and Proportions
16. Different Types of Statistics
17. Quiz 4
18. Special Project
19. TEST
20. ALTERNATE TEST