



Switched-On™
ONLINE

2009-2010 Curriculum Catalog

Consumer Math

Welcome to AOP!

We are excited that you are including AOP as part of your program of instruction, and we look forward to serving you and your students.

AOP comes complete with a full, multimedia-enriched curriculum for grades 3—12 in five core subjects and electives.

This course catalog covers the following course:

- Consumer Math

Thanks for choosing us!

Glynlyon Curriculum Development Team

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Monday – Friday 7:00 am to 7:00 pm (CT)

Consumer Math

Unit 1

Assignment Title
1. Introduction
2. Number Skills
3. Signed Numbers and Measurement Scales
4. A Consumer Application
5. Division Review
6. Quiz 1: Basic Operations
7. Prime Numbers and Factors
8. Factors and Products
9. Fractions, LCM, and GCF
10. Fractions
11. Quiz 2: Fractions
12. Adding and Subtracting Fractions
13. Multiplying and Dividing Fractions
14. Operations with Mixed Numbers
15. Consumer Applications
16. Quiz 3: Operations With Fractions
17. A Ratio Scale, Decimals, and Number Bases
18. Operations and Decimals
19. Consumer Application, Metrics
20. Quiz 4: Decimals
21. Percent
22. Base, Rate, Percentage
23. Problem Solving
24. Quiz 5: Percent
25. Mental Problem Solving
26. Final Review
27. Special Project
28. TEST: Basic Math Review
29. ALTERNATE TEST: Basic Math Review

Unit 2

Assignment Title
1. Money
2. Finding a Job
3. Job Skills: Using Standard Units
4. Job Skills: Using Metric Units
5. Converting Systems
6. Quiz 1: Job Skills
7. Part- and Full-Time Jobs
8. Wages
9. Payroll
10. Payroll Deductions
11. Other Deductions
12. Quiz 2: Wages
13. Self-Employment: Piecework
14. Commission and Tips
15. Retirement Planning
16. Quiz 3: Other Income
17. Story Problems with Review
18. Special Project
19. TEST: Personal Finance
20. ALTERNATE TEST: Personal Finance

Unit 3

Assignment Title
1. Home Budget
2. Organizing Data
3. Sets and Probability (I)
4. Sets and Probability (II)
5. Representing Data
6. Quiz 1: Data
7. Preparing a Cash Budget
8. Using Records in Planning
9. A Home Business Application
10. Quiz 2: Records
11. Planning with Measures of Variations
12. Project: Using Statistics
13. Using the Standard Normal Distribution
14. Z-Scores and the Normal Distribution
15. Quiz 3: Measures of Variation
16. Sampling and Estimation
17. A Balance Sheet
18. Quiz 4: Balance Sheet
19. Confidence Intervals
20. Unit Review
21. Special Project
22. TEST: Statistics
23. ALTERNATE TEST: Statistics

Consumer Math (cont.)

Unit 4

Assignment Title
1. Life Insurance
2. Premiums
3. Loans and Cash Value
4. Health Insurance
5. Project: Insurance
6. Other Insurance
7. Quiz 1: Insurance
8. Taxes: Federal 1040
9. Taxes: FICA
10. Taxes: State
11. Quiz 2: Withholding
12. Taxes: Local
13. Taxes: Other
14. Quiz 3: Taxes
15. Review
16. Special Project
17. TEST: Taxes and Insurance
18. ALTERNATE TEST: Taxes and Insurance

Unit 5

Assignment Title
1. Selecting a Bank
2. Checking Accounts
3. Savings Accounts
4. Quiz 1: Accounts
5. Reconciling Statements
6. ATM'S
7. Simple and Compound Interest
8. Other Services
9. Quiz 2: Services
10. Financial Planning
11. Stocks
12. Bonds
13. Mutual Funds
14. Quiz 3: Investments
15. Wills and Estates
16. Project: Wills
17. Distributing an Estate
18. Quiz 4: Estate Planning
19. Review
20. Special Project
21. TEST: Banking Services and Investments
22. ALTERNATE TEST: Banking Services and Investments

Unit 6

Assignment Title
1. Overdraft Protection
2. Financing Large Purchases
3. Interest First Loans
4. Installment Loans
5. Quiz 1: Loans
6. The Annual Percentage Rate
7. Automobile Loans
8. Mortgages
9. Quiz 2: Mortgages
10. Sequences, The Rule of 78
11. Credit
12. Credit Card Purchases
13. Quiz 3: Credit
14. Review
15. Special Project
16. TEST: Banking and Credit Costs
17. ALTERNATE TEST: Banking and Credit Costs

Unit 7

Assignment Title
1. Purchasing and Variables
2. Discounts
3. More Discounts
4. Markup
5. Quiz 1: Discounts and Markup
6. Graphs and Trends
7. Cost Per Unit
8. Project: Buying Equipment
9. Tables As Variables
10. Quiz 2: Graphs and Tables
11. Graphs, Functions, Slope
12. Project: Data Summaries
13. A Comparison Technique
14. Quiz 3: Graphing and Comparing
15. Tabular Data Interpretation
16. Depreciation Trends
17. Buy, Lease, Rent (I)
18. Buy, Lease, Rent (II)
19. Advertisements
20. Quiz 4: Interpreting Data
21. Review
22. Special Project
23. TEST: Purchase and Sale of Goods
24. ALTERNATE TEST: Purchase and Sale of Goods

Consumer Math (cont.)

Unit 8

Assignment Title
1. Leisure
2. Free Activities
3. Hobbies
4. Angles
5. Outdoor Activities
6. Transportation and Travel
7. Quiz 1: Leisure and Travel
8. Physical Fitness
9. Vacations
10. Quiz 2: Fitness and Vacations
11. Retirement Planning
12. Comparing Travel Cost Benefits
13. Project: Constructions
14. Quiz 3: Retirement and Comparing
15. Review
16. Special Project
17. TEST: Leisure, Travel, and Retirement
18. ALTERNATE TEST: Leisure, Travel, and Retirement

Unit 9

Assignment Title
1. Ratio and Proportion
2. Food Services
3. Personal Appearance Services
4. Pricing of Services
5. Perimeter and Area
6. Quiz 1: Ratio, Proportion, and Formulas
7. Facility Capacity Estimation
8. Applications
9. Circles
10. Area Applications
11. Quiz 2: Area
12. Solid Figures with Plane Boundaries
13. Solid Figures with Curved Boundaries
14. Mixture Problems
15. Architects and Interior Design
16. Quiz 3: Area and Volume
17. Geometry and Indirect Measure
18. Consumer Applications
19. Quiz 4: Application Problems
20. Review
21. Special Project
22. TEST: Job Related Services
23. ALTERNATE TEST: Job Related Services

Unit 10

Assignment Title
1. Review: Basic Math (I)
2. Review: Basic Math (II)
3. Review: Measurement
4. Review: Personal Finance (I)
5. Review: Personal Finance (II)
6. Quiz 1: Basic Math, Measurement, Finances
7. Review: Budgeting (I)
8. Review: Budgeting (II)
9. Review: Insurance
10. Review: Taxes
11. Quiz 2: Budgeting, Insurance, Taxes
12. Review: Banking and Investment (I)
13. Review: Banking and Investment (II)
14. Review: Banking and Credit Costs (I)
15. Review: Banking and Credit Costs (II)
16. Quiz 3: Banking, Credit
17. Review: Purchase and Sale of Goods (I)
18. Review: Purchase and Sale of Goods (II)
19. Review: Travel
20. Quiz 4: Purchases, Sales, Travel
21. Review: Leisure and Retirement
22. Review: Geometry
23. Review: Job Related Services
24. Quiz 5: Leisure, Geometry, Services
25. Extra Practice
26. Final Review
27. Special Project
28. TEST: Consumer Math Review
29. ALTERNATE TEST: Consumer Math Review