

Wallenpaupack Area School District

COURSE: CONSUMER MATHEMATICS

GRADE LEVEL: Grades 11 - 12

LENGTH OF COURSE: 90 Days/84 Minutes Per Day

TEXT: Mathematics with Business Applications

PUBLISHER: Glencoe-McGraw-Hill

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COURSE DESCRIPTION:

Consumer Mathematics includes problems from every day living experiences.

CURRICULUM WRITING TEAM:

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DATE OF REVISION:

2002

Wallenpaupack Area School District

Course: Consumer Mathematics

Grade Level: Grade 11 & 12

Unit: Gross Income

PA Standards: 2.1.11A
2.2.11.A
2.2.11.E
2.2.11.F
2.4.11.E
2.5.11.A
2.5.11.C
2.8.11.D

Topics: Hourly pay Overtime pay Weekly time-card Piecework Salary Commission Graduated commission	Skills: Compute straight time pay Compute weekly and daily overtime Compute total pay Compute the total hours on a weekly time card Compute piecework total pay Compute the salary per pay period Compute straight commission and gross pay Compute the total graduated commission
Activities: Textbook problem solving Workbook problem solving Partner work Board work	Performance Assessments: Unit test Quizzes Class participation Teacher observation Homework Board work Oral presentation Partner work

Wallenpaupack Area School District

Course: Consumer Mathematics

Grade Level: Grade 11 & 12

Unit: Net Income

PA Standards: 2.1.11A
 2.2.11.A
 2.2.11.E
 2.2.11.F
 2.4.11.E
 2.5.11.A
 2.5.11.C
 2.8.11.D

Topics:	Skills:
Federal income tax State income tax Graduated income tax Social security and Medicare tax Group insurance Earnings statement	Using the FIT tax tables to find federal tax Compute the state tax on a straight percent basis Compute the state tax on a graduated income basis Compute the amount withheld for social security and medicare taxes Compute the deduction for group insurance Compute the net pay per period
Activities:	Performance Assessments:
Textbook problem solving Workbook problem solving Partner work Board work Using a calculator	Unit test Quizzes Class participation Teacher observation Homework Board work Oral presentation Partner work

Wallenpaupack Area School District

Course: Consumer Mathematics

Grade Level: Grade 11 & 12

Unit: Checking Accounts

PA Standards: 2.1.11A
 2.2.11.A
 2.2.11.E
 2.2.11.F
 2.4.11.E
 2.5.11.A
 2.5.11.C
 2.8.11.D

Topics:	Skills:
Deposits Writing checks Check registers Bank statements Reconciling the bank statement	Complete and compute the total checking account deposit Write a check Complete and compute the balance in a check register Compute the present balance on a checking account bank statement Reconcile a check register and a bank statement
Activities:	Performance Assessments:
Textbook problem solving Workbook problem solving Partner work Board work Using calculators	Unit test Quizzes Class participation Teacher observation Homework Board work Oral presentation Partner work

Wallenpaupack Area School District

Course: Consumer Mathematics

Grade Level: Grade 11 & 12

Unit: Savings Account

PA Standards: 2.1.11A
 2.2.11.A
 2.2.11.D
 2.2.11.E
 2.2.11.F
 2.4.11.E
 2.5.11.A
 2.5.11.C
 2.8.11.D

<p>Topics:</p> <ul style="list-style-type: none"> Deposits Withdrawals Passbooks Account statements Simple interest Compound interest Compound interest tables Daily compounding 	<p>Skills:</p> <ul style="list-style-type: none"> Complete a savings account deposit slip and compute the total deposit Write a savings account withdrawal slip Compute the new balance in a savings account passbook Compute the new balance on a savings account statement Compute the simple interest Compute the compound interest and the total amount Find compound interest with tables Find daily compound interest with tables
<p>Activities:</p> <ul style="list-style-type: none"> Textbook problem solving Workbook problem solving Partner work Board work Using calculators 	<p>Performance Assessments:</p> <ul style="list-style-type: none"> Unit test Quizzes Class participation Teacher observation Homework Board work Oral presentation Partner work

Wallenpaupack Area School District

Course: Consumer Mathematics

Grade Level: Grade 11 & 12

Unit: Cash Purchases

PA Standards: 2.1.11A
2.2.11.A
2.2.11.E
2.2.11.F
2.4.11.E
2.5.11.C
2.8.11.D

Topics: Sales tax Total purchase price Unit pricing Finding the better buy Coupons and rebates Markdown Sales price	Skills: Compute the sales tax Compute the total purchase price Compute the unit price Compute the better buy based on unit pricing Compute the final price after using a coupon or rebate Compute the dollar amount of the markdown Compute the sales price when the markdown rate is known
Activities: Textbook problem solving Workbook problem solving Partner work Board work Using calculators	Performance Assessments: Unit test Quizzes Class participation Teacher observation Homework Board work Oral presentation Partner work

Wallenpaupack Area School District

Course: Consumer Mathematics

Grade Level: Grade 11 & 12

Unit: Charge Accounts and Credit Cards

PA Standards: 2.1.11A
 2.2.11.A
 2.2.11.E
 2.2.11.F
 2.4.11.E
 2.5.11.A
 2.5.11.C
 2.8.11.D

<p>Topics:</p> <ul style="list-style-type: none"> Sales receipts Account statements Finance charge - previous-balance method Finance charge - unpaid- balance method Finance charge - average daily balance Method (without new purchases included) Finance charge - average daily balance method (with new purchases included) 	<p>Skills:</p> <ul style="list-style-type: none"> Compute the total purchase price Compute the new balance in a charge account Compute the finance charge by the previous – balance method Compute the finance charge by the unpaid-balance method Compute the finance charge based on the average daily balance method without new purchases included Compute the finance charge by the average daily balance method with new purchases included
<p>Activities:</p> <ul style="list-style-type: none"> Textbook problem solving Workbook problem solving Partner work Board work Using calculators 	<p>Performance Assessments:</p> <ul style="list-style-type: none"> Unit test Quizzes Class participation Teacher observation Homework Board work Oral presentation Partner work

Wallenpaupack Area School District

Course: Consumer Mathematics

Grade Level: Grade 11 & 12

Unit: Loans

PA Standards: 2.1.11A
 2.2.11.A
 2.2.11.E
 2.2.11.F
 2.4.11.E
 2.5.11.A
 2.5.11.C
 2.8.11.D

Topics:	Skills:
<ul style="list-style-type: none"> Single-payment loans Installment loans Simple interest installment loans Installment loans - allocation of monthly payment Paying off simple interest installment loans Determining the APR Refund of finance charges 	<ul style="list-style-type: none"> Compute the maturity value and interest rate of a single- payment loan Compute the amount financed on an installment loan Compute the monthly payment, total amount repaid, and finance charge on an installment loan Compute the payment to interest, payment to the principal, and the new balance Compute the final payment when paying off a simple interest installment loan Use a table to find the annual percentage rate of a loan Compute the finance charge refunded for early repayment of a loan
Activities:	Performance Assessments:
<ul style="list-style-type: none"> Textbook problem solving Workbook problem solving Partner work Board work Using calculators 	<ul style="list-style-type: none"> Unit test Quizzes Class participation Teacher observation Homework Board work Oral presentation Partner work

Wallenpaupack Area School District

Course: Consumer Mathematics

Grade Level: Grade 11 & 12

Unit: Purchasing A New Automobile

PA Standards: 2.1.11A
 2.2.11.A
 2.2.11.E
 2.2.11.F
 2.4.11.E
 2.5.11.C
 2.8.11.D

Topics:	Skills:
Purchasing a new automobile Dealer's cost Purchasing a used automobile Automobile insurance Operating and maintaining an automobile Leasing an automobile Renting an automobile	Compute the sticker price of an automobile Compute the dealer's cost of an automobile Compute the average retail price of a used automobile Use tables to compute the annual premium for automobile insurance Compute the total cost per mile of operating and maintaining an automobile Compute the total cost of leasing an automobile Compute the cost per mile of renting an automobile
Activities:	Performance Assessments:
Textbook problem solving Workbook problem solving Partner work Board work Using calculators	Unit test Quizzes Class participation Teacher observation Homework Board work Oral presentation Partner work

Wallenpaupack Area School District

Course: Consumer Mathematics

Grade Level: Grade 11 & 12

Unit: Housing Costs

PA Standards: 2.1.11A
 2.2.11.A
 2.2.11.E
 2.2.11.F
 2.4.11.E
 2.5.11.A
 2.5.11.C
 2.8.11.D

<p>Topics:</p> <ul style="list-style-type: none"> Mortgage loans Monthly payment and total interest Closing costs The monthly payment Real estate taxes Homeowner’s insurance Homeowner’s insurance premiums Other housing costs 	<p>Skills:</p> <ul style="list-style-type: none"> Compute the mortgage loan amount Compute the monthly payment, total amount paid, and the total interest charged Compute the total closing costs Compute the allocation of the monthly payment toward principal, interest, and the new principal Compute the assessed value and taxes of real estate Compute the amount of coverage Compute the annual homeowner’s insurance premium Compute the total housing cost and compare it with suggested guidelines
<p>Activities:</p> <ul style="list-style-type: none"> Textbook problem solving Workbook problem solving Partner work Board work Using calculators 	<p>Performance Assessments:</p> <ul style="list-style-type: none"> Unit test Quizzes Class participation Teacher observation Homework Board work Oral presentation Partner work

Wallenpaupack Area School District

Course: Consumer Mathematics

Grade Level: Grade 11 & 12

Unit: Insurance and Investments

PA Standards: 2.1.11A
 2.2.11.A
 2.2.11.D
 2.2.11.E
 2.2.11.F
 2.4.11.E
 2.5.11.A
 2.5.11.C
 2.8.11.D

<p>Topics:</p> <ul style="list-style-type: none"> Health insurance premiums Health insurance benefits Term life insurance Other types of life insurance Certificates of deposit Effective annual yield Stocks Stock dividends Selling stocks Bonds 	<p>Skills:</p> <ul style="list-style-type: none"> Compute health insurance premiums Compute the amount paid by the patient for medical care Use tables to compute the annual premium for term life insurance Use tables to compute the annual premium for three types of life insurance Use tables to compute interest on certificates of deposit Compute the effective annual yield Compute the total cost of a stock investment Compute the annual yield and annual dividend of a stock investment Compute the profit or loss from a stock sale Compute the annual interest and annual yield of a bond investment
<p>Activities:</p> <ul style="list-style-type: none"> Textbook problem solving Workbook problem solving Partner work Board work Using calculators 	<p>Performance Assessments:</p> <ul style="list-style-type: none"> Unit test Quizzes Class participation Teacher observation Homework Board work Oral presentation Partner work

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Course: Consumer Mathematics

Grade Level: Grade 11 & 12

Unit: Record keeping

PA Standards: 2.1.11A
 2.2.11.A
 2.2.11.E
 2.2.11.F
 2.4.11.E
 2.5.11.C
 2.8.11.D

Topics: Average monthly expenditure Preparing a budget sheet Using a budget	Skills: Compute the average monthly expenditure Use records of past expenditures to prepare a monthly budget Compare amount budgeted to actual expenditure and personal spending to "typical spending"
Activities: Textbook problem solving Workbook problem solving Partner work Board work Using calculators	Performance Assessments: Unit test Quizzes Class participation Teacher observation Homework Board work Oral presentation Partner work

Wallenpaupack Area School District

Course: Consumer Mathematics

Grade Level: Grade 11 & 12

Unit: Income Taxes

PA Standards: 2.1.11A
2.2.11.A
2.2.11.E
2.2.11.F
2.4.11.E
2.5.11.A
2.5.11.C
2.8.11.D

Topics: PA-40EZ state tax form 1040 EZ federal income tax form 1040 A federal income tax form 1040 federal income tax form	Skills: Correctly fill out a PA-40 EZ state tax form Correctly fill out a 1040 EZ federal tax form Correctly fill out a 1040 A federal tax form Correctly fill out a 1040 federal tax form
Activities: Group work Individual presentations Individual daily class work Using form booklet instructions for all forms	Performance Assessments: Individual oral presentations Class participation Teacher observation Assigned task roles Unit exams Group work