

Joshua Christian High School Curriculum Guide

Subject: Consumer Math *F*,

Grade Eleven

I. Course Description:

The study of math for everyday living, including the following subjects: Saving, buying, investing, budgeting, borrowing, purchasing insurance, paying taxes, and inflation and depreciation.

II. Text

Mathematics for Everyday Living, Meridian Creative Group, 1997

III. Course Goals and Objectives

Goals:

Student will learn all facets of managing their finances, understanding tax structures, insurance, and inflation and depreciation.

Objectives:

Upon completion of course, student will demonstrate a grasp of the fundamental mathematics of everyday living in a capitalist economy. The student will be able to balance a checkbook, plan a household budget, and evaluate sales "gimmicks" for their true savings potential. The student will understand the pitfalls of credit card buying, how to evaluate various options in mortgage loans, how to balance insurance needs and costs, and how to save and invest for the future.

IV. Course Outline

A. Semester One:

1. The Mathematics of Buying
 - a. unit prices
 - b. markups
 - c. discounts
 - d. utility bills
2. The Mathematics of Taxes
 - a. taxes on purchases
 - b. property tax
 - c. income tax
 - d. payroll deductions
3. The Mathematics of Saving
 - a. simple interest and effective yield
 - b. compound interest
 - c. increasing annuities
 - d. decreasing annuities

4. The Mathematics of Budgeting
 - a. the young adult- spending analysis
 - b. the young adult- budget analysis
 - c. the newlyweds
 - d. the homeowners
 - e. the family

B. Semester Two

1. The Mathematics of Inflation and Depreciation
 - a. graphs (circle, line, and bar)
 - b. inflation and consumer price index
 - c. depreciation
2. The Mathematics of Borrowing
 - a. promissory notes
 - b. installment loans
 - c. financing a new car
 - d. home mortgages
 - e. credit cards
3. The Mathematics of Investment
 - a. introduction to common stocks
 - b. buying and selling common stocks
 - c. corporate bonds
 - d. mutual funds
4. The Mathematics of Insurance
 - a. health insurance
 - b. homeowner's insurance
 - c. automobile insurance
 - d. life insurance

V. Teaching Methods

- A. visual demonstrations
- B. group discussion in how to solve problems

VI. Evaluation

A. Components

1. daily homework
2. unit tests
3. final exams

VII. Grading Scale

- 90-100% = A
80-89% = B
70-79% = C
60-69% = D
59% and lower = F