UNLV
UNIVERSITY OF NEVADA LAS VEGAS

Theme 2: Financial and Practical Numeracy
Project 2: *Home Ownership*

Recall: View the videos and read the applicable sections BEFORE the first class of the week, and complete both the RC (Reading Checks) and HW (HomeWork) before your assigned due dates.

Week 6

Unit 2A Objectives: Identify standardized units, convert between units
  Reading: Unit 2A
  RC 2A: 2 random from 1-10
  HW 2A: (Exercises) 7, 8, 9, 10, 11, 12, 13-BR, 14-BR, 15-BR, 16-BR, 17-BR, 18-BR, 21, 22, 25, 26, 27, 29, 45, 47, 49, 51, 58, 59, 61, 63, 65
  HW Topics: Decide if a statement involving units makes sense (6); Evaluate expressions that contain fractions (2); Write decimals as common fractions (2); Convert fractions to decimals (2); Describe the steps to apply the Understand-Solve-Explain process (2); Determine appropriate units & perform unit conversions (14)

Unit 2B Objectives: Develop experience with unit analysis as a problem solving technique
  Reading: Unit 2B
  RC 2B: 2 random from 1-10
  HW 2B: (Exercises) 7, 8, 9, 13-BR, 14-BR, 21, 24, 25, 37, 38, 39, 51, 53, 55, 57
  HW Topics: Decide if a statement involving working with units makes sense (3); Compute powers of 10 (2); Solve application problems involving unit analysis (2); Interpret metric prefixes (1); Convert units (3); Solve application problems involving unit analysis (4)

Unit 2C Objectives: Use the four step problem solving process and 8 provided hints to solve problems
  Reading: Unit 2C
  RC 2B: 2 random from 1-10
  HW 2C: None
Mini Project 2: Converting Grandma's Cookie Recipe

(cont. next page)

Week 7

Unit 3A Objectives: Use percentages to compare and answer questions.
  Reading: Unit 3A
  RC 3A: 2 random from Quick Quiz 1-10
  HW 3A: (Exercises) 10, 13, 14, 15-BR, 17-BR, 19-BR, 38, 41, 42, 43, 45, 48, 49, 51, 57, 59, 62, 63, 67, 70
  HW Topics: Decide if a statement involving percentages makes sense (3); Convert between fractions, decimals, & percentages (3); Express fractions as percentages (4); Find percent change (4); Solve percentage problems (6)

Unit 3C Objectives: Identify significant digits, properly round, find relative error.
  Reading: Unit 3C
  RC 3C: 2 random from Quick Quiz 1-10
  HW 3C: (Exercises) 43, 45, 46, 47, 48, 49, 51, 53
  HW Topics: Describe sources of error & determine absolute & relative error (6); Determine which measurements are more accurate & which are more precise (2)

Mini Project 3: Calculating Grades and GPA in a Course

Weeks 8 and 9

Unit 4A Objectives: Budget, Manage Expenses
  Reading: Unit 4A
  RC 4A: 2 random from Quick Quiz 1-10
  HW 4A: (Exercises) 8, 9, 13, 15, 16, 17, 19, 21, 22, 23, 24, 31, 32, 33, 36, 37, 38, 40
  HW Topics: Decide if a statement involving expenses makes sense (2); Calculate & interpret percentage of spending (9); Calculate interest payments (4); Calculate net cash flow (3)

Unit 4B Objectives: Calculate simple and compound interest, Comparing APR and APY
  Reading: Unit 4B
  RC 4B: 2 random from Quick Quiz 1-10
  HW 4B: (Exercises) 52, 54, 56, 60, 64, 69, 82, 88
  HW Topics: Calculate using simple & compound interest (6); Find the present value, compare yields, & find time periods (2)

Unit 4C Objectives: Using savings for future use, and recognizing types of investments
  Reading: Unit 4C (up through Example 7, pay particular attention to Example 4)
  RC 4C: 2 random from Quick Quiz 1-10
  HW 4C: None

Unit 4D Objectives: Calculating Loans and Mortgages, Understanding Credit Card Bills
  Reading: Unit 4D
  RC 4D: 2 random from Quick Quiz 1-10
  HW 4D: (Exercises) 1, 2, 3, 5, 7, 9, 13, 16, 18, 25, 32
  HW Topics: Understand concepts & vocabulary related to loan payments, credit cards, & mortgages (6); Calculate loan payments, total payments, & total interest & principal (5)

Mini Project 4D: Car Buying

Mini Project 4B: Can You Quit if You Win the Lottery?

Week 10

Test Review and Presentation of Projects; Theme 2 Test