

Wyoming Department of Education Required Virtual Education Course Syllabus

2201000 - Washakie County School District No. 1

Program Name	Washakie #1 Online	Content Area	MA
Course ID	W02157G0.5012	Grade Level	9 -12
Course Name	WOL-Consumer Math-A	# of Credits	0.5
SCED Code	02157G0.5012	Curriculum Type	K-12 Fuel Education

COURSE DESCRIPTION

In Consumer Math, students study and review arithmetic skills they can apply in their personal lives and in their future careers. The first semester of the course begins with a focus on occupational topics; it includes details on jobs, wages, deductions, taxes, insurance, recreation and spending, and transportation. In the second semester, students learn about personal finances, checking and savings accounts, loans and buying on credit, automobile expenses, and housing expenses. Narrated slideshows help illustrate some of the more difficult content. Throughout the course, students participate in online discussions with each other and their teacher

WYOMING CONTENT AND PERFORMANCE STANDARDS

STANDARD#	BENCHMARK (Standard/Indicator) Use the Standards and Benchmarks as Spreadsheets
F.BF.1	Write a function that describes a relationship between two quantities.*
F.IF.5	Relate the domain of a function to its graph and, where applicable, to the quantitative relationship it describes. For example, if the function $h(n)$ gives the number of person-hours it takes to assemble n engines in a factory, then the positive integers would be an appropriate domain for the function.*
N.Q.1	Use units as a way to understand problems and to guide the solution of multi-step problems; choose and interpret units consistently in formulas; choose and interpret the scale and the origin in graphs and data displays.*
N.Q.2	Define appropriate quantities for the purpose of descriptive modeling.*
S.ID.1	Represent data with plots on the real number line (dot plots, histograms, and box plots).*
S.ID.6	Represent data on two quantitative variables on a scatter plot, and describe how the variables are related.*
A.CED.1	Create equations and inequalities in one variable and use them to solve problems. Include equations arising from linear and quadratic functions, and simple rational and exponential functions.*
A.CED.4	Rearrange formulas to highlight a quantity of interest, using the same reasoning as in solving equations. For example, rearrange Ohm's law $V = IR$ to highlight resistance R .*
A.REI.3	Solve linear equations and inequalities in one variable, including equations with coefficients represented by letters.
A.SSE.1	Interpret expressions that represent a quantity in terms of its context.*
A.SSE.3	Choose and produce an equivalent form of an expression to reveal and explain properties of the quantity represented by the expression.*

SCOPE AND SEQUENCE		
UNIT OUTLINE	STANDARD#	OUTCOMES OBJECTIVES STUDENT CENTERED GOALS
Unit 1: All About Jobs <ul style="list-style-type: none"> • Section 1 - Decimal Review • Section 2 - Working with Wages • Section 3 - Review of Percents • Section 4 - Review of Order of Operations • Section 5 - Wages and Tips 	A.CED.1 N.Q.1 A.SSE.1 A.REI.3	Students review decimals, percentages, and the order of operations, and then see practical applications to wages. Decimal Review Working with Wages Review of Percents Review of Order of Operations Wages and Tips
Unit 2: Wages <ul style="list-style-type: none"> • Section 1 - Review of Fractions • Section 2 - Forms and Time Cards • Section 3 - Review of Equations • Section 4 - Salary and Commission 	S.ID.1 A.CED.1 A.SSE.1 F.BF.1 A.SSE.3 N.Q.2	Students continue their investigation into job compensation with a review of fractions and equations. Review of Fractions Forms and Time Cards Review of Equations Salary and Commission
Unit 3: Deductions, Taxes and Insurance <ul style="list-style-type: none"> • Section 1 - Payroll Deductions • Section 2 - Health and Life Insurance • Section 3 - Tables and Graphs • Section 4 - Federal Income Tax 	A.SSE.1 A.SSE.3 A.CED.1 S.ID.1 S.ID.6	Students review tables and graphs and apply what they have learned to payroll deductions for taxes and insurance. Payroll Deductions Health and Life Insurance Tables, Graphs, and Measures of Central Tendency Federal Income Tax
Unit 4: Recreation and Spending <ul style="list-style-type: none"> • Section 1 - Movies and Shows • Section 2 - Costs of Recreation • Section 3 - Buying Clothes and Shopping • Section 4 - Buying Food and Eating Out 	A.CED.4 F.IF.5 N.Q.1 A.CED.1 A.REI.3	Students review mathematical concepts that aid in smart budgeting. Movies, Parks, and Sports Costs of Recreation Buying Clothes and Shopping Buying Food and Eating Out
Unit 5: Transportation <ul style="list-style-type: none"> • Section 1 - Air Travel and Time Zones • Section 2 - Distance 	A.CED.1 N.Q.1 A.SSE.1 A.REI.3 S.ID.6 S.ID.6 F.BF.1 A.SSE.3 N.Q.2	Students review mathematical concepts and how they relate to transportation costs. Travel by Air, Bus, Train, and Taxi Taking Road Trips
Semester One Exam		