

Wyoming Department of Education Required Virtual Education Course Syllabus

BIG HORN COUNTY SCHOOL DISTRICT #1

Program Name	WYCA	Content Area	Mathematics
Course ID	CAMA79694	Grade Level	9, 10, 11, 12
Course Name	Consumer Math B	# of Credits	0.5
SCED Code	02157G0.5022	Curriculum Type	Connections Academy

COURSE DESCRIPTION

This is the second of two courses that comprise Consumer Math. In this course, students will continue to learn how to make good financial decisions. Retailers, banks, and credit card companies may not provide consumers with all the information they need to make good decisions. By the end of this course, the student will differentiate between secured and unsecured debt, learn how to create a budget, examine a credit report, and discover the best way to increase income and decrease expenses. This course will provide the student with the skills to make good financial decisions.

WYOMING CONTENT AND PERFORMANCE STANDARDS

STANDARD#	BENCHMARK
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.*
N.Q.3	Choose a level of accuracy appropriate to limitations on measurement when reporting quantities.*
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.*
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.
S.IC.6	Evaluate reports based on data.*

SCOPE AND SEQUENCE

UNIT OUTLINE	STANDARD#	OUTCOMES
<p>Unit 1: Debt vs. Savings</p> <p>In this unit, you learn more about types of debt from credit cards (unsecured debt) to home mortgages (secured debt). You learn why good credit is an advantage when acquiring debt and how to avoid bad credit. Using interest rate tables that take credit scores and secured versus unsecured loans into consideration, you will compute interest accrued on loans. You will analyze the impacts of maintaining a good credit history on your long term ability to save. Given various credit situations, you will determine which financial approach is the best by completing computations involving simple interest, money, and long term payoff amounts.</p>	<p>N.Q.1; N.Q.2; N.Q.3; A.SSE.1; A.SSE.3; A.CED.1; A.CED.4; A.REI.3; S.IC.6</p>	<ul style="list-style-type: none"> • Identify the differences between secured debt and unsecured debt • Explain the relationship between accrued interest and principal balance • Interpret and analyze data from tables • Compute how depreciation affects the cost of buying a car • Identify the advantages and disadvantages of owning a home instead of renting
<p>Unit 2: Budgeting</p> <p>Budgets are used to accomplish a variety of financial goals whether you are saving for an emergency fund or retirement. This unit focuses on the key parts of a budget and the proper way to develop one. You revisit computations involving housing expenses and fixed costs and use proportions to determine the realized income needed to stay within the percentage limits allowed. You will calculate how much of an emergency fund you need based on housing expenses and fixed costs and then develop a plan of saving involving either a percentage of your discretionary monies or income from a 2nd job. Lastly, you will complete computations for how much money an emergency fund can save you in the case when you need to use it versus if you had used a credit card, and then how long it will take you to rebuild your emergency fund.</p>	<p>N.Q.1; N.Q.2; N.Q.3; A.SSE.1; A.SSE.3; A.CED.1; A.CED.4; A.REI.3</p>	<ul style="list-style-type: none"> • Identify how the concepts of budgeting, expenses, saving, credit management, and retirement tie together • Analyze the impact of expenses on savings • Analyze data for trends in savings • Identify the important reasons for having an emergency fund • Determine the steps of creating your own budget

<p>Unit 3: Finances</p> <p>You have already considered the impact of your credit score on your ability to save and interest rates on debt. This unit will focus you on increasing your savings through other ways. You will complete calculations involving paying off high interest debt more quickly by paying more than the minimum and compare the savings both in money and time. You will learn about how carpooling can save you and coworkers money on transportation costs, and compare the benefits of moving from one part-time job to another even though the base pay rate may be less. Coupons were one form of saving when shopping but another is bulk or volume purchasing. You learn when it is a good thing to visit a wholesale club store and the savings that can be had when compared to local store prices by completing multiplication and division problems involving money. Lastly, you will learn the statistical value of attaining certain educational degrees by analyzing data from the United States Bureau of Labor and turning your educational level into money terms.</p>	<p>N.Q.1; N.Q.2; N.Q.3; A.SSE.1; A.SSE.3; A.CED.1; A.CED.4; A.REI.3; S.IC.6</p>	<ul style="list-style-type: none"> •Calculate the ways to increase your income •Interpret and analyze data in a table using various mathematical operations •Calculate the impact of using a variety of ways to cut your everyday expenses •Identify the first step you should take in your campaign to save money •Calculate the impact credit card debt can have on your financial well-being
<p>Unit 4: Savings and Financial Planning</p> <p>This unit takes a more detailed look at savings plans. You will learn the key element to a good savings plan and then why it is important to diversify. You will learn about the stock market and treasury bonds as other options to reach your savings goals but also identify the advantages and disadvantages of these options. You will make many calculations using percentages and money, whether to calculate your realized income or the down payment for a house. You will compare savings outcomes and the effect of shifting monies from one savings instrument to another. This unit will also explain how a long-term savings goal can be translated into monthly goals. Lastly, you will examine the importance of contracts to your life and their specific implications when you loan money to friends or when your parents rent you an apartment to attend college away from home.</p>	<p>N.Q.1; N.Q.2; N.Q.3; A.SSE.1; A.SSE.3; A.CED.1; A.CED.4; A.REI.3</p>	<ul style="list-style-type: none"> •Outline the steps in planning your savings strategy •Identify the relationship between risk and reward •Practice how to write basic contracts •Identify the financial benefits of direct deposit and paying bills online •Plan your future financial activities
<p>Unit 5: Review</p> <p>This unit reviews the information taught in Units 1–4 in preparation for the course final. You will review key concepts from Unit 1, such as the difference between secured and unsecured debt, the benefits of maintaining good credit, and the effects these items have on the interest rates you pay. The review for Unit 2 focuses on the development of a budget and the impact a second job (or in your case, a part-time job) can have on your ability to save. The review for Unit 3 revisits how to increase your income by obtaining a job, a part-time job, or gaining more education. You will also review additional ways you can reduce your spending through sharing of expenses by doing such things as carpooling or buying items in bulk. Lastly, you will reexamine Unit 4, which looks in more detail at developing a savings plan, being realistic about your goals, and the importance of contracts to your financial well-being. Key vocabulary from these units includes appreciation, assets, depreciation, educational attainment, part-time job, median income, down payment, and closing costs. Mathematical skills that are important in this review include the ability to work with money using addition, subtraction, multiplication, and division—computing your net hourly income to computing how many hours you must work to purchase an item or meet a goal.</p>		<ul style="list-style-type: none"> •Review concepts presented in Unit 1: Debt vs. Saving •Review concepts presented in Unit 2: Budgeting •Review concepts presented in Unit 3: Finances •Review concepts presented in Unit 4: Savings and •Financial Planning •Study for the final exam

Unit 6: Final Exam

In this unit, you will take the final exam. The final exam may include any material that has been presented throughout the semester. Since this is a comprehensive exam, it may be helpful to organize your notes before you begin to review.

- Identify strategies that you will use to prepare for your exam
- Organize your time and study materials
- Review your notes, answers to lesson questions, and key vocabulary terms