

**Course: Consumer Math  
Unit 1 - Personal Budget**

**Year of Implementation: 2021-2022**

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### **Stage One - Desired Results**

**Link(s) to New Jersey Student Learning Standards for this course:**

<https://www.state.nj.us/education/cccs/2020/>

**Unit Standards:**

- *9.2.12.CAP.5: Assess and modify a personal plan to support current interests and postsecondary plans.*
- *9.2.12.CAP.14: Analyze and critique various sources of income and available resources (e.g., financial assets, property, and transfer payments) and how they may substitute for earned income.*
- *9.2.12.CAP.18: Differentiate between taxable and nontaxable income from various forms of employment (e.g., cash business, tips, tax filing and withholding).*
- *9.2.12.CAP.19: Explain the purpose of payroll deductions and why fees for various benefits (e.g., medical benefits) are taken out of pay, including the cost of employee benefits to employers and self-employment income.*

**Transfer Goal:** Students will be able to independently use their learning to *create a personal budget that is financially responsible.*

**As aligned with LRHSD long term learning goal(s):**

1. Utilize and integrate essential communication and technical skills significant to 21st century life, work, and community.
2. Understand financial literacy and responsibility as personal and professional members of society.
3. Evaluate careers using critical thinking and problem-solving skills to respond to changing societal and economic conditions.
4. Create authentic learning experiences to successfully transfer knowledge into real-world experiences preparing them for life and career.

5. Problem-Solving: apply and transfer autonomously and collaboratively mathematical concepts and problem-solving techniques to unfamiliar, varied and real-world situations
6. Structure: use multiple representations, critical thinking skills, and prior knowledge to solve problems in new situations
7. Habits of Mind: approach new situations with curiosity, persistence, resourcefulness, and confidence; take risks, monitor their progress, accept and learn from setbacks, make adjustments, and reflect on their performance.

Enduring Understandings

Students will understand that. . .

EU 1

- career planning requires purposeful planning based on research, self-knowledge, and informed choices.

EU 2

- income and payments can come in various forms.

EU 3

- government payroll deductions, which benefit society, affect income.

EU 4

- budgeting is an essential aspect of financial responsibility.

Essential Questions

EU1

- How do you get the job that you want?

EU 2

- What are the different ways of being paid?

EU 3

- Who benefits from government payroll deductions?

EU 4

- Why is it important to budget?
- What is a balanced budget?

Knowledge

Students will know . . .

EU 1 (9.2.12.CAP.5)

- personal skills can determine career opportunities.

Skills

Students will be able to. . .

EU 1 (F9.2.12.CAP.5)

- determine possible career(s) based on skills and interests.
- create a resume and cover letter.

EU 2 (9.2.12.CAP.18)

- the various forms of income and payment for various job classifications.

EU 3 (9.2.12.CAP.19)

- understanding income involves an analysis of payroll taxes, deductions and earned benefits.

EU 4

- common expenses to include in a budget. (9.1.12.PB.3)
- the difference between income, expenses and savings. (9.1.12.PB.2), (9.1.12.PB.3)

- demonstrate knowledge of appropriate job interview skills.

EU 2 (9.2.12.CAP.18 )

- calculate commission based on sales.
- calculate total income of various jobs.
- calculate paychecks based on different pay periods.

EU 3 (9.2.12.CAP.19)

- calculate net pay.
- compare and contrast the significance of deductions.

EU4

- differentiate between 'needs' and 'wants'. (9.1.12.PB.2)
- differentiate between fixed and variable expenses. (9.1.12.PB.2)
- create and balance a budget. (9.1.12.PB.3)
- adjust a budget. (9.1.12.PB.4)
- create a budget to prioritize savings. (9.1.12.PB.3)

## Stage Two - Assessment

### Other Evidence:

Test, quizzes and other activities to demonstrate knowledge of choosing a career, understanding income, deductions and expenses and balancing a budget.

Activities Include:

- Create a poster explaining the parts of a paycheck in the form of a pie chart or other visual representation.
- Participate in a mock interview
- Use Kahoot for vocabulary

## Stage Three - Instruction

**Learning Plan: Suggested Learning Activities to Include Differentiated Instruction and Interdisciplinary Connections: Each learning activity listed must be accompanied by a learning goal of A= Acquiring basic knowledge and skills, M= Making meaning and/or a T= Transfer. {place A, M and/or T along with the applicable EU number in parentheses after each statement}**

- Activity 1: Complete a survey to determine potential careers (A, M, EU1)
- Activity 2: Interview role play (M, T, EU1)
- Activity 3: Excel Activity to calculate time cards (A,M,T, EU2)
- Activity 4: Students create graphic organizers to represent percentages of deductions. (A, M, T, EU3)
- Activity 5: Have students track their expenses for a period of time and categorize them as needs or wants. (M, T, EU4)

**The following is the suggested sequence of learning activities and number of days for the Consumer Math class.**

- Activity 1 (A, M, EU1)
- Fill out a job application (A, M, T, EU1)
- Create a resume and cover letter (A,M, EU1)
- Activity 2 (M, T, EU1)
- Compute gross pay based on hours, overtime, piecework and commission (A, M,EU2)
- Activity 3 (A,M,T, EU2)
- Use salary and given pay periods to determine gross pay (A, M,EU2)
- Identify and different types of payroll deductions and calculate net pay (A, M,EU2)
- Activity 4 (A, M, T, EU3)
- Activity 5 (A, M, T, EU4)
- Adjust a budget to accommodate needs and wants and fixed and variable expenses (A, M, T, EU4)
- Create a savings and emergency fund component of a budget (A, M, EU4)

**Resources:**

**Performance Task - A Salary Based Budget :**

[https://docs.google.com/presentation/d/1BNFqeR1nhIMg\\_tQA1gTJMoS2TvFtTNRe8rBMkAhAWfs/edit#slide=id.g44b551e331\\_974\\_0](https://docs.google.com/presentation/d/1BNFqeR1nhIMg_tQA1gTJMoS2TvFtTNRe8rBMkAhAWfs/edit#slide=id.g44b551e331_974_0)

Determine your budget Calculator - Mint.org - <http://www.themint.org/teens/determine-your-budget.html>

Consumer.gov - info on managing money, renting an apt., scams - <https://www.consumer.gov/section/managing-your-money>

Community College - Road Trip Nation - <https://www.pbs.org/video/one-step-closer-xcaooj/>

Computing Clock Time Calculator for hours worked - <http://www.easysurf.cc/tspan.htm>

Analog Clock Vs. Digital Clock interactive - <https://www.visnos.com/demos/clock>

Career Survey - <https://www.mynextmove.org>

Naviance Interests and Skills Survey

Interview and Job search skills - <https://www.uen.org/lessonplan/view/6444>

Careers - US bureau of Labor Statistics - <https://www.bls.gov/k12/>

Next Generation Personal Finance Website - Resources for Budgeting, Income and Career - Games Activities Edpuzzles Etc.  
<https://www.ngpf.org> - Create a teacher account and utilize the resources free

Reality Check - Put in your desired lifestyle and see what income you will need - <https://www.jumpstart.org/what-we-do/support-financial-education/reality-check/>

PracticalMoneySkills.com - <http://www.practicalmoneyskills.com/play>

Create a pie chart - [https://nces.ed.gov/nceskids/graphing/classic/bar\\_pie\\_data.asp?ChartType=pie](https://nces.ed.gov/nceskids/graphing/classic/bar_pie_data.asp?ChartType=pie)

Better Money Habits - resource for videos and information on personal finance -  
<https://bettermoneyhabits.bankofamerica.com/en/what-you-need-to-know-about-living-on-your-own#>

Mint.org - <http://www.themint.org/index.html> - Information and Activities for personal finance

Hands on Banking - Free financial literacy course from Wells Fargo with Educator resources - All topics covered  
<https://youth.handsonbanking.org/grades/high-school-course/>

Budget video - <https://bettermoneyhabits.bankofamerica.com/en/saving-budgeting/how-to-money-management-better>

Moving out Budget video - PBS - <https://nj.pbslearningmedia.org/resource/fin10.socst.personfin.intro.movingout/moving-out/>

Claim your future Online Activity - <https://www.claimyourfuture.com/about-the-game/>

Bizkids Website - <https://bizkids.com/learn/financial-basics/>

Cost helper - determine costs of general expenses - <https://electronics.costhelper.com/internet-access.html>

Average food prices - US - [https://media.nationalpriorities.org/uploads/total\\_spending\\_pie%2C\\_2015\\_enacted.png](https://media.nationalpriorities.org/uploads/total_spending_pie%2C_2015_enacted.png)

FDIC Money Smart Curriculum for HS students - Free curriculum and resource downloads include power points for all levels and lesson plans, participant activity guides and teacher guides, differentiated instructional resources included  
<https://www.fdic.gov/consumers/consumer/moneysmart/young/grades-9-12.html>

**Everfi financial literacy modules** - Video and interactive activities for students for all topics, Lenape Regional HS is activated as a user. When you register as a teacher you can create a class and students work through the modules. Great as a reinforcement after teaching a unit. Embedded quizzes in the videos check for understanding and the test at the end can be used as an assessment. Students can take it as many times as needed to pass with an 80%. If students complete all the modules they receive a Certificate. Sponsored by Citizen's Bank and others. Teacher Resources and lesson plans included.  
<https://platform.everfi.net>

Save and Invest.org - Lessons for teens on financial literacy -<https://www.saveandinvest.org/educate-youth>

