

02_Net Pay

Content Area: **Math**
Course(s):
Time Period: **Full Year**
Length: **4 weeks**
Status: **Published**

General Overview, Course Description or Course Philosophy

The New Jersey Student Learning Standards (NJSLS) are rigorous and robust. The standards emphasize not only procedural skill but also conceptual understanding to ensure students are learning and absorbing the critical information needed to succeed mathematically now and in the future. The standards encourage students to solve real-world problems and define what students should understand and be able to do in their study of mathematics. Mastery of the standards requires students to justify, in a way that is appropriate the student's mathematical maturity, why a particular mathematical statement is true or where a mathematical rule comes from. Mathematical understanding and procedural skill are equally important, and both are accessible using mathematical tasks of sufficient richness.

In Foundations of Consumer Math, students will apply mathematical knowledge and skills to real-world math situations. Topics in this course include gross and net pay, creating a budget, checking and savings accounts, cash purchases, credit cards and loans, and vehicle and housing costs.

OBJECTIVES, ESSENTIAL QUESTIONS, ENDURING UNDERSTANDINGS

Students will understand:

- Employers are required to withhold money from an employees paycheck for the purposes of taxes
- Some paycheck deductions are required, others are voluntary
- Net pay is determined after calculating deductions

Essential Questions:

- How does gross income differ from net income?
- How are deductions determined?

CONTENT AREA STANDARDS

N.RN

A. Extend the properties of exponents to rational exponents

N.Q

A. Reason quantitatively and use units to solve problems

PFL.9.1.K12.P.2	Attend to financial well-being.
MA.N-Q.A.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.
WRK.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.

RELATED STANDARDS (Technology, 21st Century Life & Careers, ELA Companion Standards are Required)

9.1.8.PB.1: Predict future expenses or opportunities that should be included in the budget planning process. • 9.1.8.PB.2: Explain how different circumstances can affect one's personal budget. • 9.1.8.PB.3: Explain how to create budget that aligns with financial goals. • 9.1.8.PB.4: Construct a simple personal savings and spending plan based on various sources of income and different stages of life (e.g. teenager, young adult, family).

PFL.9.1.K12.P.5	Utilize critical thinking to make sense of problems and persevere in solving them.
PFL.9.1.K12.P.8	Use technology to enhance productivity increase collaboration and communicate effectively.
FIN.9-12.9.4.12.F.4	Solve mathematical problems to obtain information for decision-making in financial settings.

STUDENT LEARNING TARGETS

Refer to the 'Declarative Knowledge' and 'Procedural Knowledge' sections.

Declarative Knowledge

Students will understand that:

- Paycheck deductions can include: federal and state income tax, social security and Medicare tax, health insurance
- Tax withholdings are calculated at specific rates
- Each state determines their own income tax rate, some states do not have income tax
- Deductions are withdrawn from each paycheck for a variety of specific purposes

Procedural Knowledge

Students will be able to:

- Calculate each deduction
- Calculate the total deductions to determine the total net pay

EVIDENCE OF LEARNING

Refer to the 'Formative Assessments' and 'Summative Assessments' sections.

Alternate Assessments

- Portfolios
- Verbal Assessment (instead of written)
- Multiple choice
- Modified Rubrics
- Performance Based Assessments

Formative Assessments

- Entrance and exit tickets
- Teacher created homework and classwork
- Class discussions
- Observations/student monitoring (checklists/anecdotal records)

Summative Assessments

- Quizzes (skill based and conceptual)
- Unit Test
- Unit Project (State Income Tax Activity)

RESOURCES (Instructional, Supplemental, Intervention Materials)

Mathworksheetsland.com

[DCMP Videos](#)

Biz Kids Videos and Lesson Plans

INTERDISCIPLINARY CONNECTIONS

- Information writing (ELA)
- Researching based writing (Technology/Multimedia)
- Utilize critical thinking to make sense of problems and persevere in solving them. (Career Readiness)
- Use technology to enhance productivity. (Career Readiness)

ACCOMMODATIONS & MODIFICATIONS FOR SUBGROUPS

See link to Accommodations & Modifications document in course folder.