

WAMC Lab Template

Math Concept(s): Gross and Net Pay, Take-home Pay, Pay stub, Withholding tax,

Source / Text: Financial Algebra, Chapter 7-3

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Date: Summer In-service 2013

Attach the following documents:

Lab Instructions Students will take a sample pay stub and be able to state values and meanings for each of the numerical values and terms on the stubs.

Student Handout(s) Mock pay stubs and vocabulary terms

Rubric and/or Assessment Tool Look at a real pay stub and be able to identify all aspects of it. Also be able to be given the net pay and try to find deduction amounts and adjustments.

Short Description (Be sure to include where in your instruction this lab takes place):

Lab Plan

Lab Title: Getting to Know Your Pay Stub

Prerequisite skills: Know basic math skills like multiplying and subtracting percentages, vocabulary terms

Lab objective: Student will be able to explain the terms and calculations of their deductions and take home pay to their partner

Standards:

CCSS-M:

- ACED (Creating Equations), F-IF (Interpreting Functions)

Standards for Mathematical Practice:

- 1 – Make sense of problems and persevere in solving them.
- 4 – Model with mathematics

State Standards addressed (2008 Washington State Mathematics Standards):

A1.1. Core Content: Solving problems, A1.2. Core Content: Numbers, expressions, and operations

A1.3. Core Content: Characteristics and behaviors of functions, A1.4. Core Content: Linear functions, equations, and inequalities, A1.5. Core Content: Quadratic functions and equations, A1.6. Core

Content: Data and distributions, A1.8. Core Processes: Reasoning, problem solving, and communication

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Reading:

- GLE 1.3.2 Understand and apply content/academic vocabulary critical to the meaning of the text, including vocabularies relevant to different contexts, cultures, and communities.

Writing:

- 2.21 Writing for Solving Problems

Leadership/21st Century Skills:

<u>21st Century Interdisciplinary themes</u> (Check those that apply to the above activity.)			
<input type="checkbox"/> Global Awareness	<input checked="" type="checkbox"/> Financial/Economic/Business/Entrepreneurial Literacy	<input type="checkbox"/> Civic Literacy	
<input type="checkbox"/> Health/Safety Literacy	<input type="checkbox"/> Environmental Literacy		
<u>21st Century Skills</u> (Check those that students will demonstrate in the above activity.)			
LEARNING AND INNOVATION	INFORMATION, MEDIA & TECHNOLOGY SKILLS	LIFE & CAREER SKILLS	Productivity and Accountability
<u>Creativity and Innovation</u>	<u>Information Literacy</u>	<u>Flexibility and Adaptability</u>	<u>Accountability</u>
<input type="checkbox"/> Think Creatively	<input checked="" type="checkbox"/> Access and Evaluate Information	<input type="checkbox"/> Adapt to Change	<input type="checkbox"/> Manage Projects
<input type="checkbox"/> Work Creatively with Others	<input checked="" type="checkbox"/> Use and manage Information	<input type="checkbox"/> Be Flexible	<input type="checkbox"/> Produce Results
<input type="checkbox"/> Implement Innovations	<u>Media Literacy</u>	<u>Initiative and Self-Direction</u>	<u>Leadership and Responsibility</u>
<u>Critical Thinking and Problem Solving</u>	<input type="checkbox"/> Analyze Media	<input type="checkbox"/> Manage Goals and Time	<input type="checkbox"/> Guide and Lead Others
<input checked="" type="checkbox"/> Reason Effectively	<input type="checkbox"/> Create Media Products	<input type="checkbox"/> Work Independently	<input type="checkbox"/> Be Responsible to Others
<input type="checkbox"/> Use Systems Thinking	<u>Information, Communications and Technology (ICT Literacy)</u>	<input type="checkbox"/> Be Self-Directed Learners	
<input checked="" type="checkbox"/> Make Judgments and Decisions	<input type="checkbox"/> Apply Technology Effectively	<u>Social and Cross-Cultural</u>	
<input type="checkbox"/> Solve Problems		<input type="checkbox"/> Interact Effectively with Others	
<u>Communication and Collaboration</u>		<input type="checkbox"/> Work Effectively in Diverse Teams	
<input checked="" type="checkbox"/> Communicate Clearly			
<input checked="" type="checkbox"/> Collaborate with Others			

Teacher Preparation: (What materials and set-up are required for this lab?)

Materials

- Pencil or Pen, Calculator, Real Pay Stub, Blank pay stub templates, handouts with vocabulary terms

Set-Up Required:

- Put class into groups of two with their vocabulary sheets

Lab Organization Strategies:

Grouping/Leadership/Presentation Opportunities:

- Break up into groups of two or three, Have students present their findings on the overhead

Cooperative Learning:

- Students can work with partner to discuss vocabulary meanings and usage and discuss different job descriptions that use pure commission, bonuses, and hourly wage

Expectations:

- Be able to completely fill out and explain terms used in a pay stub

Timeline:

- Two class periods

Post Lab Follow-Up/conclusions:

Discuss real world application of learning from lab

- Understand whether pay stub is being calculated properly and being able to adjust deductions or anticipate monthly earnings for budgeting.

Career Applications

- Human resource Employee. Accountants, Business Owners, Tax Preparers.

Optional or Extension Activities

- Learn how to fill out tax forms like W-4, Read a W-2 form

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