

## **WAMC Lab Template**

Math Concept(s): Chapter 6 Employment Basics

Source / Text: Financial Algebra by Gerver and Sgroi

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Date: Summer In-service 2014

### **Attach the following documents:**

Lab Instructions

Student Handout(s)

Rubric and/or Assessment Tool

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

End of chapter 6 (employment basics) project.

### **Lab Plan**

Lab Title: Get a job

Prerequisite skills: Everything learned in chapter 6

Lab objective: understand the various processes and essential skills needed to choose a career path

### **Standards:**

CCSS-M:

- A-CED1, A-CED2, A-CED4, F-IF2, F-IF4, F-IF7b, A-REI3, F-BF1, F-LE1

Standards for Mathematical Practice:

- MP2. Reason abstractly and quantitatively
- MP5. Use appropriate tools strategically
- MP7. Look for and make use of structure

State Standards addressed (2008 Washington State Mathematics Standards):

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Reading:

- Reading 3.3.1 Apply appropriate reading strategies for interpreting technical and non-technical documents used in job-related settings.
- 3.1.1 Analyze web-based and other resource materials (including primary sources and secondary sources) for relevance in answering research questions.
- 2.3.2 Evaluate informational materials, including electronic sources, for effectiveness.

Writing:

- Writing 1.3.1 Revises text, including changing words, sentences, paragraphs, and ideas.
- Writing 2.4.1 Produces documents used in a career setting.
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## Leadership/21st Century Skills:

21st Century Interdisciplinary themes (Check those that apply to the above activity.)

- Global Awareness       Financial/Economic/Business/Entrepreneurial Literacy       Civic Literacy  
 Health/Safety Literacy       Environmental Literacy

21st Century Skills (Check those that students will demonstrate in the above activity.)

### **LEARNING AND INNOVATION**

#### Creativity and Innovation

- Think Creatively  
 Work Creatively with Others  
 Implement Innovations

#### Critical Thinking and Problem Solving

- Reason Effectively  
 Use Systems Thinking  
 Make Judgments and Decisions  
 Solve Problems

#### Communication and Collaboration

- Communicate Clearly  
 Collaborate with Others

### **INFORMATION, MEDIA & TECHNOLOGY SKILLS**

#### Information Literacy

- Access and Evaluate Information  
 Use and manage Information

#### Media Literacy

- Analyze Media  
 Create Media Products

#### Information, Communications and Technology (ICT Literacy)

- Apply Technology Effectively

### **LIFE & CAREER SKILLS**

#### Flexibility and Adaptability

- Adapt to Change

- Be Flexible

#### Initiative and Self-Direction

- Manage Goals and Time

- Work Independently

- Be Self-Directed Learners

#### Social and Cross-Cultural

- Interact Effectively with Others

- Work Effectively in Diverse Teams

### **Productivity and**

#### **Accountability**

- Manage Projects

- Produce Results

#### Leadership and

#### Responsibility

- Guide and Lead

- Others

- Be Responsible to

- Others

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

### Materials

- Computer
- Financial algebra book
- Access to WOIS.org

### Set-Up Required:

- Access to WOIS.org

## **Lab Organization Strategies:**

### Grouping/Leadership/Presentation Opportunities:

- Individual deadlines for each task

### Cooperative Learning:

- none

### Expectations:

- students will have a completed grasp of their possibilities for their future

### Timeline:

- 1-3 weeks, but varies depending on teacher emphasis

## **Post Lab Follow-Up/conclusions:**

### Discuss real world application of learning from lab

- Does my chosen job match my interests given all the factors identified in the project

### Career Applications

- Find a job

### Optional or Extension Activities

- Job shadow
- contact career professional
- can apply to senior portfolio

<https://wa-appliedmath.org/>

## Chapter 6 Group Lab Instructions

1. Career survey
2. Pick 3 jobs
  - a. Education
    - i. Helpful HS courses (from WOIS)
    - ii. Educational institution beyond HS (4-year, trade school, 2-year, internship, etc.)
      1. Where, cost (per quarter/semester, food, transportation, etc.)
      2. Funding for post-high school
        - a. Grants, scholarships, etc.
        - b. FAFSA
  - b. Pay
  - c. Location/conditions
  - d. Job outlook
3. Pick 1 job to complete your detailed research
  - a. Annual/monthly/weekly paychecks
  - b. different benefits
    - i. Monetary (retirement, pensions, etc.)
    - ii. Non-monetary (vacation days, leave, sick leave, etc.)
  - c. Taxes
    - i. Withholding
    - ii. Social Security
    - iii. Medicare
  - d. Professional skills
    - i. Application
    - ii. Resume
    - iii. Cover letter
    - iv. Interview (conducted later)
    - v. Thank you letter
4. Putting your plan into action (extension)
  - a. Must have a real letter of recommendation from someone

websites

Workforceexplorer.com

Bridges.com

<https://wa-appliedmath.org/>

## GET A JOB RUBRIC

Name: \_\_\_\_\_

Category	4	3	2	1
<b>Use of Class Time and Meets Deadlines</b>	Used time well during each class period. Focused on getting the project done. Worked the entire time and never distracted others.	Used time well during each class period. Usually focused on getting the project done. Occasionally off task but never distracted others.	Used some of the time well during each class period. There was some focus on getting the project done but occasionally distracted others.	Did not use class time to focus on the project OR often distracted others.
<b>Required Elements X 4</b>	All required elements are included as well as additional information.	All required elements are included.	All but 1 of the required elements are included.	Several required elements are missing.
<b>Employment Basics Math</b>	Able to do all calculations learned in Chapter 6 and explain the process accurately and precisely.	Able to do most calculations learned in Chapter 6 and explain the process accurately and precisely.	Able to do most calculations learned in Chapter 6 and explain the process.	Unable to do calculations learned in Chapter 6.
<b>Appearance</b>	The presentation is exceptionally attractive in terms of design, layout, and neatness. All parts are typed and printed.	The presentation is attractive in terms of design, layout and neatness.	The presentation is more or less attractive though it may be a bit messy.	The presentation is distractingly messy or very poorly designed.
<b>Grammar</b>	There are no grammatical or mechanical mistakes.	There are 1-2 grammatical or mechanical mistakes.	There are 3-4 grammatical or mechanical mistakes.	There are more than 4 grammatical or mechanical mistakes.

Total Score: \_\_\_\_\_ /32