

## LESSON PLAN

**Lesson Title** - “Introduction to College/Career Planning”

**Lesson Summary** – This introductory lesson will be taught in a Careers and Employability class composed primarily of students in grades 9. For many this will be the first exposure to AKCIS as a college and/or career planning resource tool. This class will be the first in a series of AKCIS lessons. The ultimate intent is for students to be aware of and to use AKCIS throughout their high school careers to assess their career interests/aptitudes, research occupations and/or colleges of their interest, create useful career portfolios, and ultimately create first class resumes. This first lesson will show students how to access the data base, create personal AKCIS accounts, show some of AKCIS’s many search capabilities by having them research career information about certain occupations. The examples used in this introductory lesson will be select careers in the construction/trades career fields, specifically heavy truck drivers, construction workers, and heavy equipment mechanics. These are the occupations most employed by Brice Companies. Using these careers as research examples will have the double benefit of not only providing students hands-on application in using AKCIS as a resource to find career information, but will also introduce them to the opportunities with Brice Companies within these career fields.

**Benchmarks**: This lesson supports the following Fairbanks Northstar Borough School District’s objectives for Career and Technical Education:

- Provide opportunities for students to explore potential careers and assist them in identifying and developing a career path of interest

- Foster students' ability to participate in a rapidly changing technological society  
Integrate academic and career technical skills, stressing the relationship between theoretical knowledge and practical application
- Develop transition opportunities for post-secondary training and learning
- Prepare students for entrance into the workforce with marketable skills
- Prepare students to be self-sufficient and productive citizens

**Lesson Timeframe** – 75 minutes

**Lesson Objectives** – After attending to this lesson and completing all activities

students should be able to:

- Log on to AKCIS via the internet
- Create a personal AKCIS account
- Query the AKCIS database for career information pertaining to the following occupations: heavy truck drivers, general construction workers, and heavy equipment mechanics.
- Complete in class assignment providing occupational information for each occupation listed above. Students will be able to provide occupation information pertaining to:
  - Working Conditions
  - Physical Demands
  - Skills and Abilities
  - Knowledge
  - Helpful High School Classes
  - Wages

- Employment and Outlook
- Preparation
- Licensing/Certification
- Hiring Practices
- Advancement Opportunities

### **Sequence of Activities**

- Administrative duties (10 minutes)
  - Take attendance
  - Distribute laptop computers
  - Distribute in-class assignment
- Set induction (10 minutes)
  - State lesson learning objectives
  - Gain students' attention by showing slideshow of photos taken during my externship of Brice employees in action at several of the project sites I visited.
- Activities (50 minutes)
  - Provide brief overview of my Brice Companies externship and discuss the occupations viewed in the slideshow that I had the opportunity to observe and provide antidotal information provided by Brice employees concerning their jobs
  - Discuss of importance career planning in attaining future personal and professional goals

- Introduce and discuss AKCIS as one of many college/career planning resource tools readily available on the internet
- Demonstrate how to access the data base, log on, and create a personal AKCIS account
- Briefly discuss and demonstrate select features available in AKCIS, but focus primarily on occupational search capability for career information in this lesson
- Assist students in creating personal ACKIS accounts in order to create and build future personal college/career portfolios
- Allow students in class time to complete in-class assignment; assign for homework if not completed in class

**Assessment** – All students will be able to complete the following tasks:

- Successfully log on to AKCIS
- Successfully create a personal AKCIS account
- Complete in-class career information assignment

**Teaching/Learning Materials**

- Internet capable laptop computers
- Photo slideshow
- Projector
- Assignment (attached)

## **IN-CLASS ASSIGNMENT**

Link: <https://www.akcis.org>

AKCIS Username: Lathrophs

Password: 4akcis

### **Instructions**

- Sign into AKCIS using the information provided above
- Click on “My Porfolio”
- Sign into your AKCIS account using the username/password established created in class
- Once in AKCIS, click on “Occupations” Research the following 3 occupations: Heavy Truck Drivers, General Construction Workers, and Heavy Equipment Mechanics and summarize the following information for each:
  1. What are the working conditions for each occupation?
  2. What are the physical demands of each occupation?
  3. Do you need to have any special skills or abilities for each occupation?
  4. What special knowledge do you need for each occupation?
  5. What high school courses would be helpful to helping you gain employment in each of these occupations
  6. What wages do workers in these occupations earn within Alaska and nationwide?

7. What is the employment outlook both within Alaska and nationwide for each of these occupations?
8. What do you need to do to prepare for an entry level career in each of these occupations?
9. Do you need any special licensing or certification to enter these occupations?
10. What are any special hiring practices in each of these occupations?
11. What are the Advancement opportunities in each of these occupations?