

# Mining Career Lesson Plan Unit

(One Week)

Lesson Plans focus on career development competencies in areas of self-knowledge and career planning, occupational and education exploration, and job outlook specifically in the mining industry

## OBJECTIVES

Students will

- understand the relationship between education and work.
- learn how to locate, evaluate and interpret career information.
- classify occupations by career clusters

## Standards

Alaska Employability Standards

National Business Education Standards

## Materials:

Computers with Powerpoint and Internet access

Handouts: Career Interest Survey, Career Research, Career Clusters and Mining Quiz.

## Teacher Guided Activities

- Ask students in large or small groups to list as many occupations they can think in the mining industry (20-30 occupations). Write these on the chalk board or paper.
- Define career fields or clusters as an organizational system of classifying careers. Discuss how clustering occupations can aid in career research. Return to the list of careers and discuss different ways the careers could be clustered.

Video and Powerpoint on Mining focusing on Hecla accompanied by study guide

Field trip to University of Alaska Mining Facility

## Activities

Worksheets are pre-made for self-assessing/testing interest, skills and personality. Career Research development activities for students to further explore careers and answers to questions about individual interests. By completing activities, students are actively engaged in seeking out career resources

Students will complete questionnaire form using AKCIS. Some of the examples of information is in the occupational section in AKCIS: duties, wages, education, conditions and job outlook. Discuss education requirements for various occupations. Students will complete questionnaire form using AKCIS.

## Assessment

Quiz over Introductory Video, Powerpoint and presentation by UAS Mining instructor.

Students will present report of career information using Powerpoint