

TECH:Occupational Health/Safety Factors

Summary

Students will gain an awareness of factors that affect their personal safety. Day One will focus on the general work environment, and Day Two will specifically highlight eye safety. As a result of participating in these activities, students will gain an awareness of accident prevention and safe work practices, especially those in place to protect their eyesight. Students will have the opportunity to learn about therapeutic and diagnostic health care careers related to worker safety.

Time Frame

2 class periods of 45 minutes each

Group Size

Large Groups

Life Skills

Thinking & Reasoning

Materials

- 1- Video: "The Safety Factor" and Learning Packet (Order from Circle Oak Production (845-878-9017), 622 N. Birch Hill Road, Patterson, NY 12563).
- 2- Student Safety Fact Sheet. Attached.
- 3- "Safety Factor Match Quiz" (from Safety Factor video resource guide). Attached. Can only be used if "The Safety Factor" video is purchased.
- 4- Examples of protective work gear such as safety goggles, face shield, ear plugs, helmets, gloves, etc.
- 5- Video: "Don't Push Your Luck & Eye Safety" (From the National Society to Prevent Blindness). One copy per school provided by the State Office of Education.
- 6- Video worksheet, "Don't Push Your Luck & Eye Safety". Attached.
- 7- Several different types of glasses: safety glasses, sunglasses, prescription glasses, etc.
- 8- Student Record Books

Intended Learning Outcomes

- 1- Identify potential hazards that exist in health care and demonstrate the prevention of injury or illness through safe work practices.
- 2- Identify various health careers that relate to eye safety.

Instructional Procedures

DAY ONE:

Students will view The Safety Factor video.

Students will complete the "Safety Factor Match Quiz" worksheet. (The Match Quiz can be copied and handed out to students provided the school has the Safety Factor video. This will not violate the copyright law.

Students will participate in class discussion to include the following points:

- a. List 30 factors that affect your safety.
- b. List safety attitudes needed in the work place.
- c. List various forms and types of safety devices.
- d. List and discuss various health care careers.

Students will tour a laboratory and observe demonstrations of safety equipment use.

DAY TWO

Students will view the eye safety video and discuss the following:

- a. In what ways can eye injuries be prevented?
- b. What is considered proper or adequate eye protection?
- c. What are the possible life long consequences of an eye injury? Students will learn steps of ANSI standards test and conduct tests on various types of glasses.

Students will complete the "Don't Push Your Luck & Eye Safety" worksheet. Teacher should expand the worksheet and discussion to include information on various health care careers related to eye safety.

POSSIBLE EXTENSION ACTIVITY

"Optician" TLC Health Careers Teachers Guide. Contact Kristen Wood at (801) 538-6854 to obtain the guide.

Extensions

Have students write a brief paragraph in their "Star Data Log" (Scientific career field -Student Record Book) to reflect on the past two days' activities. Instruct students to:

Describe the specific activity of their choice.

Tell what they liked most about the activity.

Tell about the tools, equipment or materials needed to complete the activity.

Identify careers in which one might use these same types of tools, equipment or materials.

Describe their personal level of interest in such careers (i.e., did they discover a career that they would like to explore in greater detail?).

Authors

[Melvin Robinson](#)