



HAND SAFETY AWARENESS

CAP Safety Meetings

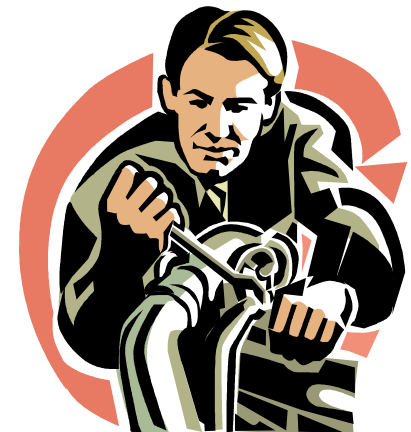
Revision: 07-2010

FACTS

- ❖ The number one injury in today's workplace is hand injuries
- ❖ 70% of workplace injuries are hand injuries
- ❖ If you know where your hands are they won't get hurt

OBJECTIVE

- ❖ Increase awareness
- ❖ Address hand safety concerns
- ❖ Inform you about potential hand traps and pinch points in the workplace
- ❖ Knife injury prevention
- ❖ General hand tool safety rules
- ❖ Contributing causes



Do NOT LET THIS HAPPEN TO YOU!



REASONS FOR HAND INJURIES

- ❖ Faulty equipment
- ❖ Broken tools
- ❖ Environmental conditions
- ❖ Human error:
 - Boredom
 - Inattentiveness
 - Distractions



PROTECT YOUR HANDS

- ❖ Gloves are often relied upon to prevent:
 - Cuts
 - Abrasions
 - Burns
 - Skin contact with chemicals





HAND HAZARDS

- ❖ Knives
- ❖ Pinch points
- ❖ Hot spots
- ❖ Rotating machinery
- ❖ Automated machinery
- ❖ Jewelry, rings & loose clothing
- ❖ Hand tools
- ❖ Protective gloves







PINCH POINTS

PINCH POINTS



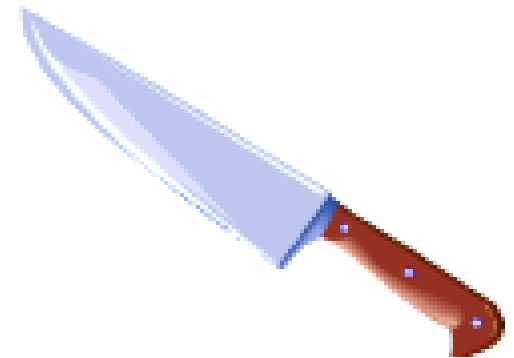
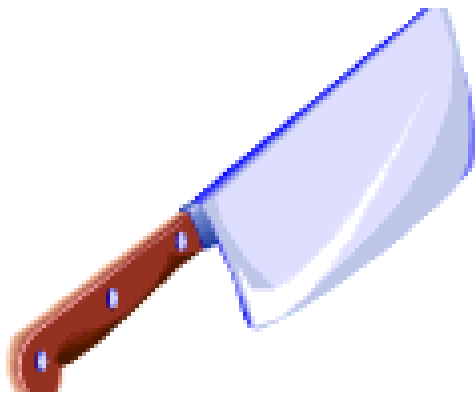


PINCH POINTS



PINCH POINTS

ALTERNATIVE CUTTING TOOLS



ALTERNATIVE CUTTING TOOLS

- ❖ Do you really want to use that knife on the job?
- ❖ Get the right tool for the job
- ❖ Use alternative cutting tool



KNIFE INJURY PREVENTION

- ❖ Knives are more frequently the source of OSHA recordable injuries than any other hand tool!



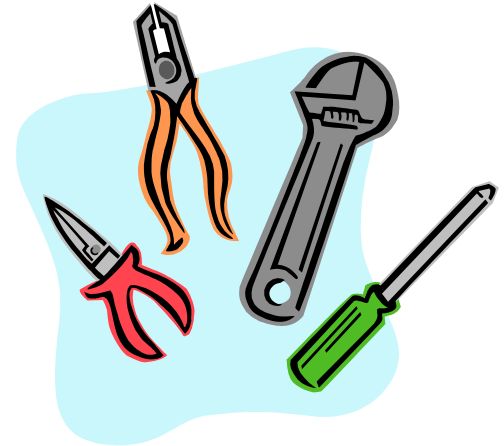
KNIFE INJURY PREVENTION

- ❖ Things to consider before beginning a job:
 - Use the *right tool for the job*
 - Use alternative tools first before cutting
 - Know company's policy about using knives!
 - Maintain tools in good working condition
 - Use of proper PPE is important



GENERAL SAFETY RULES

- ❖ Your work area must be well lighted, clean, and dry
- ❖ Maintain tools in good working condition — this includes sharpening, oiling, and proper storage
- ❖ Make repairs only if you are qualified and replace faulty tools immediately



GENERAL SAFETY RULES

- ❖ Inspect all tools before using them and replace any tool that appears to be damaged
- ❖ Using the wrong tool for a job or using the right tool in the wrong way can result in a serious hand injury



GENERAL SAFETY RULES

- ❖ Using a screwdriver as a chisel may cause the tip of the screwdriver to break and fly, hitting the user or other employees
- ❖ If a wooden handle on a tool such as a hammer or an axe is loose, splintered, or cracked, the head of the tool may fly off and strike the user or another worker



GENERAL SAFETY RULES

- ❖ A wrench must not be used if its jaws are sprung, because it might slip
- ❖ Impact tools such as chisels or wedges are unsafe if they have mushroomed heads. The heads might shatter on impact, sending sharp fragments flying



ALTERNATIVE TOOLS



KNIVES ARE INAPPROPRIATELY USED AS:

- ❖ Screwdrivers
 - ❖ Prying devices
 - ❖ Hammers
 - ❖ Saws
-
- ❖ If you don't have the proper cutting tool, don't do it!



COMPANY POLICY

- ❖ Some companies do not allow knives on the job
- ❖ Some companies allow only locking blade knives
- ❖ Know your company's knife policy before beginning work



KNIVES / SHARP INSTRUMENTS

- ❖ When handling knife blades, direct sharp points and edges away from you
- ❖ Cut in the direction away from your body
- ❖ Use a sharp tool, not one with a dull blade
- ❖ Do not use broken knives
- ❖ Do not use knives as screwdrivers or pry bars
- ❖ Do not leave knives in sinks full of water
- ❖ Do not pick up knives by their blades

KNIVES / SHARP INSTRUMENTS

- ❖ Only locking blade knives are allowed
- ❖ Keep knives and scissors in their sheath
- ❖ Do not attempt to catch a falling knife
- ❖ Store knives in knife blocks after using
- ❖ When opening boxes, use box cutters
- ❖ Be careful when picking up bags with sharp objects in it



Locking Blade

CONTRIBUTING CAUSES

- ❖ When using a knife, think about contributing causes of accidents
- ❖ Can you list the ***Contributing Causes?***
 - *Line of Fire*
 - Moving Blind
 - Lack of Stability
 - Wrestling and Straining
 - Personal Protective Equipment

INTRODUCTION

❖ Match contributing cause with situation

- Line of Fire
- Moving Blind
- Lack of Stability
- Wrestling & Straining
- PPE
- Area Condition
- Knife left in unsafe condition
- Cutting towards the body
- Using a dull knife
- Footing unstable
- Not closing blade before passing
- Not using proper hand grip and protective gloves



SUMMARY

- ❖ Use an alternative tool
- ❖ Your company's *knife policies* may differ, know what they are!
- ❖ Protect your hands, they were made to serve you for a lifetime!!!!!!



CAP Safety Meetings ❖ Hand Safety Awareness

STUDENT NAME:

QUIZ DATE:

Student Quiz

STUDENT INSTRUCTIONS: Circle the letter representing the correct answer to each quiz question below. Sign and date this quiz sheet.

1. Examples how hand injuries occur are:
 - A. Faulty equipment
 - B. Broken tools
 - C. Environmental Conditions and human error
 - D. All of the above
2. You should consider the right tool for the job, use of alternative tools before cutting, maintain tools in good working condition and use the proper PPE before beginning a job.
 - A. True
 - B. False
3. General Safety Rules Include:
 - A. A well lighted clean and dry work area
 - B. Maintain tools in good working condition
 - C. Make repairs only if you are qualified
 - D. All of the above
4. You can use a screwdriver as a chisel as long as you inspect it and use gloves prior to use.
 - A. True
 - B. False
5. When using cutting tools you can cut towards your body as long as you are using a board to rest the cutting tool on.
 - A. True
 - B. False
6. It is important to know your company's policy and procedures for the use of cutting tools.
 - A. True
 - B. False
7. Example of alternative cutting tools are:
 - A. Side Cutting Pliers
 - B. Wire Strippers
 - C. Cable Cutters
 - D. All of the above
8. Gloves are often relied upon to prevent:
 - A. Cuts and abrasions
 - B. Burns
 - C. Skin contact with chemicals
 - D. All of the above
9. Common hand hazards are:
 - A. Knives and pinch points
 - B. Hot spots, rotating machinery
 - C. Automated Machinery, Jewelry, rings, loose clothing, and hand tools
 - D. All of the above
10. Impact tools such as chisels or wedges are unsafe if they have mushroomed heads. The heads might shatter on impact, sending sharp fragments flying.
 - A. True
 - B. False

CAP Safety Meetings ❖ Hand Safety Awareness

STUDENT NAME:

QUIZ DATE:

Student Quiz

STUDENT INSTRUCTIONS: Circle the letter representing the correct answer to each quiz question below. Sign and date this quiz sheet.

STUDENT QUIZ – ANSWER KEY

Below is the answer key for the above quiz. Obviously, do not print this page when printing the quiz for the students.

1. D
2. A
3. D
4. B
5. B
6. A
7. D
8. D
9. D
10. A

REAGAN

Power & Compression

Since 1946

Sign-In Sheet for Safe Operations Meeting

Date:	Conducted By:
-------	---------------

Means to Verify Understanding: Quiz Q & A - Group Discussion Hands On Demo

Safety Topic(s) Covered: **Hand Safety Awareness**

	Name (p r I n t)	Signature	Employee # or Last 4 digits of SS #
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			