

Presentation Notes

Presentation _____ Lesson 3.1

Notes from Presentation:

What is Safety?

- The freedom from accidents
- A personal responsibility
- Respect for yourself, your classmates, and property

The Attitude of Safety

- Positive attitude
- Willingness to try new things
- Read and follow all procedures
- Clean up according to instructions
- Care for self, others, and property

Personal Protective Equipment

- Equipment to protect you from injury or illness
 - Safety glasses, lab apron, and disposable gloves
- Wear when working with chemicals, heat, and moving mechanisms

Working with Hazardous Materials

- Glass
 - Handle with care, do not touch broken glass
- Chemicals
 - Mix only as directed
- Fire
 - Keep hair and loose clothing pulled back
- Tools
 - Use for designated purpose

Accidents Happen

- Report all spills and breakages to instructor
- Clean up equipment and work space properly
- Don't attempt to dispose of materials without instruction- there may be harmful reactions

Safety Colors

- Used as indicators, reduces need for words
- Each color or combination of colors conveys a specific message
- Messages these colors can convey
 - Alert people to danger or hazards
 - Help locate certain objects
 - Help people react quickly to emergencies

Safety Colors

- Red- Danger or emergency such as safety switches and fire equipment
- Orange- Warning to hazards like sharp edges or openings
- Yellow- Caution around moving parts of machinery
- Blue- Used to convey Information
- Green- Indicates the presence of Safety Equipment
- White- Traffic Markings

- White & Black Stripes- Used for traffic to Stop before entering white zone
- Gray- Indicates work area

Major Safety Concerns

- Fire
 - Presence of flammable and combustible materials
 - Heat sources
- Electrocutation
 - High voltage equipment
- Bodily Injury
 - Crushing, smashing, pinching, abrasions

Components Needed for Fire

- The three components needed for fire
 - Fuel, Heat, & Oxygen
- Together, they are known as the fire triangle
- To produce a fire all three elements must be present

Preventing Fires

- Removing one of the sides of the fire triangle will eliminate the fire
- Fire prevention is important in the shop and laboratory
 - Use fire only in safe surroundings
 - Store combustible materials and fuels properly

AFNR Reflection Page

List five key points that are important to remember from this presentation.

1. How to get rid of a fire
2. Safety colors
3. What to do while working with hazardous materials
4. The attitude of safety
5. Major safety concerns

List three ideas or concepts that this new information has in common with previous things learned.

1. How to get rid of a fire
2. Always wear protective gear
3. Tell the teacher about an accident

List questions or ideas that remain unclear about the information presented that should be asked for clarity at the appropriate time.

None