


Texas State Technical College
Harlingen
**PERSONAL PROTECTIVE
EQUIPMENT**





Personal Protective Equipment Is
Any Physical Material Or
Equipment That Is Placed Between
The Employee And Workplace
Hazards To Reduce The Injury
Potential Of The Hazard



PERSONAL PROTECTIVE EQUIPMENT

PPE Is To Be Selected And Provided
To Employees Assigned Duties Where
Hazards Cannot Be Sufficiently
Abated Or Removed To Prevent
Occupational Injury Or Illness



PERSONAL PROTECTIVE EQUIPMENT

- ◆ Assess The Workplace For Hazards That Cannot Be Sufficiently Minimized Or Deleted
- ◆ Managers, Supervisors, And Employees Should Be Involved In This Process
- ◆ Identification Process Should Be Ongoing



TRAINING AREAS

- ◆ When To Wear PPE
- ◆ What PPE Is To Be Worn
- ◆ How To Don And Adjust PPE
- ◆ The Limitations Of PPE
- ◆ The Care And Maintenance Of PPE
- ◆ The Useful Life And Disposal Of PPE

TYPES OF PPE



◆ Safety Glasses

◆ Goggles

◆ Face Shields

◆ Helmets

◆ Hoods

◆ Sleeves

◆ Shoes And Boots

◆ Mats And Blankets

◆ Respirators

◆ Gloves

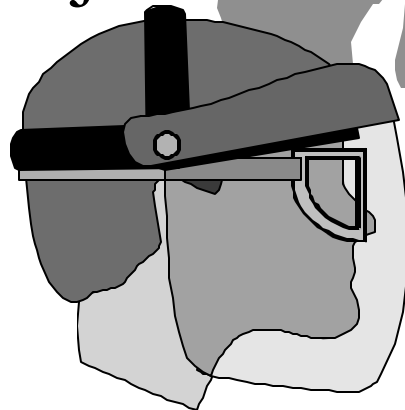
◆ Coveralls

◆ Many Others

EYE & FACE PROTECTION

Work Requiring PPE

- ◆ Working With Molten Metals
- ◆ Working With Liquid Chemicals
- ◆ Working With Hazardous Gases
- ◆ Working With Flying Particles
- ◆ Working With Injurious Radiant Energy



HEAD PROTECTION

Hard Hats

- ◆ Class A - Protection From Falling Objects, Bumps, and Voltage Up To 2,200 Volts
- ◆ Class B - Protection From Falling Objects, Bumps, And Voltage Up To 20,000 Volts
- ◆ Class C - Provides Protection From Bumps And Falling Objects, But No Protection From Electrical Current



HAND PROTECTION Gloves

- ◆ Tape Tops Or Fold To Keep Liquids Out And Off Skin
- ◆ Vinyl, Rubber, Or Neoprene Are Adequate For Most Chemicals
- ◆ May Need Synthetic Gloves For Petroleum Based Products
- ◆ Vibration Absorbing Gloves Work Well



HAND PROTECTION

Gloves

- ◆ Leather Or Cotton Are Appropriate For Most Abrasive Jobs
- ◆ Never Wear Metal Reinforced Gloves Around Electrical Work
- ◆ Be Sure Gloves Fit! Gloves Too Large Or Too Small Can Lead To Injuries

FOOT PROTECTION

Boots & Shoes

- ◆ Steel Toed Safety Shoes And Boots
- ◆ Puncture Proof Soles
- ◆ Non-Conductive For Electrical Work
- ◆ Rubber Or Synthetic Footwear Around Chemicals



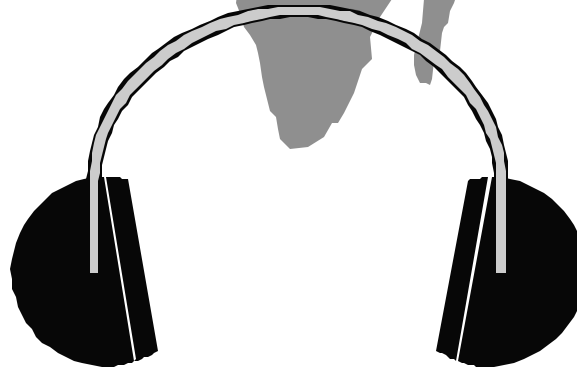


FOOT PROTECTION

- ◆ Avoid Leather Around Chemicals
- ◆ Foot Guards Or Ankle Shields May Be Needed For Some Jobs
- ◆ A Static Free Shoe Designed To Drain Off Static Electricity May Be Needed Around Computers

HEARING PROTECTION

- ◆ Common Workplace Injury
- ◆ Gradual Increase Over Time
- ◆ Damage Can Be Caused Without Pain
- ◆ Incorrect Protection Or Protection Worn Incorrectly Can Be Equally Damaging





YOU NEED PROTECTION WHEN

- ◆ Workplace Sounds Are Irritating
- ◆ You Must Raise your Voice To Be Heard From Two Feet Away
- ◆ Ears Ringing After Leaving Work
- ◆ Sound Levels Reach 85 Decibels Over An Eight-Hour Period
- ◆ Short Bursts Of High-Pitched, Loud, or Continuous Sounds

PROTECTION TYPES

Earplugs & Earmuffs

- ◆ Plugs Offer The Most Protection
- ◆ Comfortable And Easy To Insert And Use
- ◆ Muffs Made Of Foam Rubber And Must Fit Snugly
- ◆ May Need Both In Severe Places
- ◆ Must Keep Sound Below 90 db1



RESPIRATORY PROTECTION

- ◆ Respiratory Protection Is Generally Afforded By The Proper Selection And Use Of Respirators
- ◆ Respiratory Protection Is Covered Extensively In A Specific Standard

