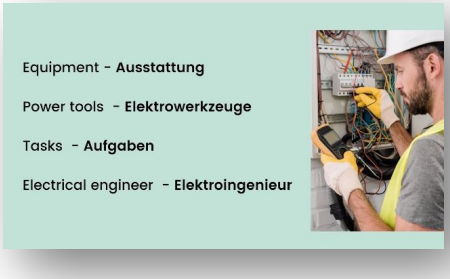
InMobVET
Social Inclusion through Mobility in Vocational Education and Training

SCRIPT

SECTOR: ELECTRONICS AND ELECTRICAL ENGINEERING IN GERMANY

TOPIC: LEARN WHAT BEHAVIOUR IS EXPECTED OF YOU IN AN ELECTRICAL WORKSHOP INCLUDING THE MOST IMPORTANT SECURITY MEASURES.

Welcome to an electrical workshop Elektrowerkstatt
You can work in a low voltage Niederspannung electrical workshop that tests electrical appliances , lighting, sockets, plugs and accessories or you can work in a high voltage Hochspannung electrical workshop that meets the needs of Greek industry quality control of electrical and electronic materials, machines and devices.
What do you need to know about your safety?



In an electrical workshop you will receive instructions about the equipment Ausstattung, the power tools Elektrowerkzeuge and the tasks Aufgaben you have to accomplish by the electrical engineer Elektroingenieur. He will give guidance how to protect yourself and the laboratory from a possible accident.

During your work as an electrician Elektriker you must follow individual protection measures which include:
a) head protection measures Arbeitsschutzhelm
b) body protection measures Arbeitsschutzbekleidung

You must wear a safety helmet Schutzhelm to protect yourself if you fall from a ladder or if you work in an area with falling objects.

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Wear safety goggles Schutzbrille to protect yourself from sparks from metal wires or small airborn objects.

To protect yourself from electric shock elektrischer Schlag, which can cause blindness, wear a face mask Schutzschild.

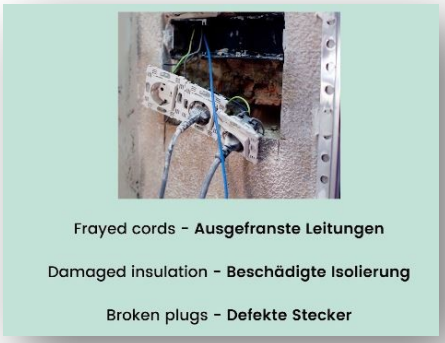
To protect yourself from electric shock elektrischer Schlag it is necessary to wear leather or synthetic protection gloves Schutzhandschuhe with resistance to electricity.
Caution! In Germany working with high currents Starkstrom under voltage unter Spannung is only allowed with a special qualification.

Wear a fireproof jumpsuit feuerfester Arbeitsanzug to protect against fire Feuer caused by an electric arc overheating the installation elements due to a short circuit Kurzschluss or overload as well as high operating temperatures of certain devices. Also a one-piece fireproof uniform will protect you in the case of an explosion in areas with flammable gases or dusts.

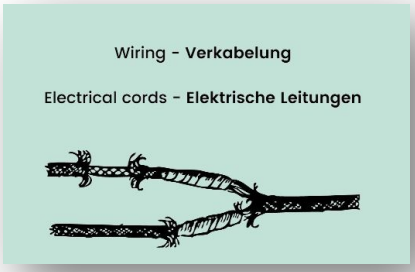
It is necessary for the technicians dealing with electrical and electronic devices during their work to wear safety shoes Sicherheitsschuhe of plastic or other insulating material like rubber which increases the resistance of the body and significantly reduces the leakage of the current to the ground in case of electric shock elektrischer Schlag.

Wear protective coverings Schutzmanschetten such as protective elbow coverings and protective wrist coverings when you use hand tools Handwerkzeuge because they require force or rotation and can cause tendonitis in the hands, wrists or elbows.

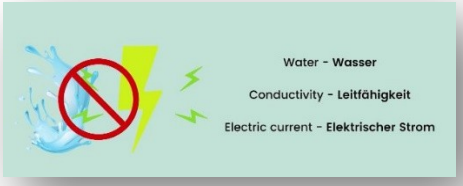
Always use tools Werkzeuge with an insulated handle isolierter Griff in good condition. This will help you avoid electrical shock elektrischer Schlag.



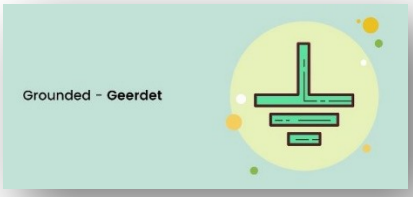
Never use equipment with frayed cords ausgefranste Leitungen, damaged insulation beschädigte Isolierung or broken plugs defekte Stecker.



Inspect wiring Verkabelung of equipment before each use. Replace damaged or frayed electrical cords elektrische Leitungen immediately.



Avoid water Wasser when working with electricity. It increases the conductivity Leitfähigkeit of the electric current elektrischer Strom. Keep all electrical cords away from water. Never touch or try repairing any electrical equipment or circuits with wet hands.



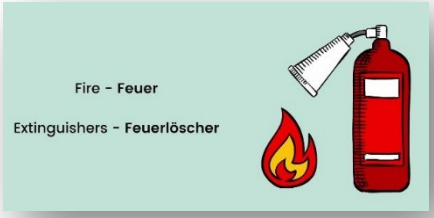
Make sure all metal components of the laboratory such as metal benches, and metal ceilings frames which may receive an electrical voltage are grounded geerdet. All electrical equipments should be grounded with 3 prong plugs.

Never try repairing powered equipment angeschlossene Geräte.
Never change wiring Verkabelung with circuits plugged into the power source Stromversorgung.

Unplug cords by pulling the plug and not the cord Stecker ziehen. Disconnect all electrical epuipment when it is not in use.

Don’t use or store highly flammable materials entzündliche Materialien near electrical equipment, because some materials can be ignited by sparks from the electrical equipment.

Know the location of and how to operate the circuit protection devices Leitungsschutzschalter. Circuit protection devices are designed to automatically limit or shut off the flow of electricity in the event of a ground fault Erdungsfehler, overload Überlast or short circuit Kurzschluss in the wiring system.



In case of fire Feuer due to electrical causes (e.g. short circuit) do not use water to put it out. Use suitable fire extinguishers Feuerlöscher which should be available in the area of the laboratory.

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LIST OF VOCABULARY

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GERMAN	*YOUR LANGUAGE*
Elektrowerkstatt	
Niederspannung	
Hochspannung	
Ausstattung	
Elektrowerkzeuge	
Elektroingenieur	
Elektriker	
Arbeitsschutzhelm	
Arbeitsschutzbekleidung	
Schutzhelm	
Schutzbrille	
Schutzschild	
Elektrischer Schlag	
Schutzhandschuhe	
Starkstrom	
unter Spannung	
feuerfester Arbeitsanzug	
Feuer	
Kurzschluss	
Sicherheitsschuhe	
Elektrischer Schlag	
Schutzmanschetten	
Handwerkzeuge	
Werkzeuge	
isolierter Griff	
elektrischer Schlag	
ausgefranste Leitungen	
beschädigte Isolierung	
defekte Stecker	
Verkabelung	
elektrische Leitungen	

Wasser	
Leitfähigkeit	
elektrischer Strom	
geerdet	
angeschlossene Geräte	
Verkabelung	
Stromversorgung	
Stecker ziehen	
entzündliche Materialien	
Leitungsschutzschalter	
Erdungsfehler	
Überlast	
Kurzschluss	
Feuerlöscher	