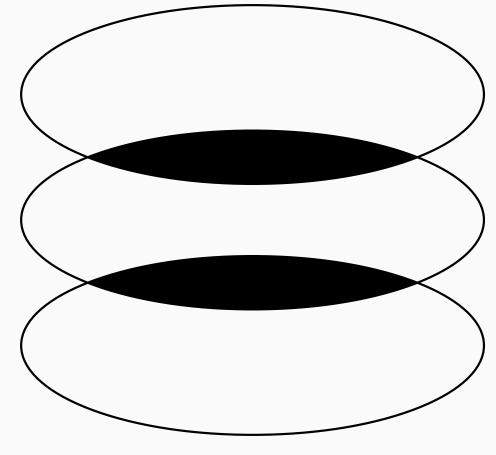
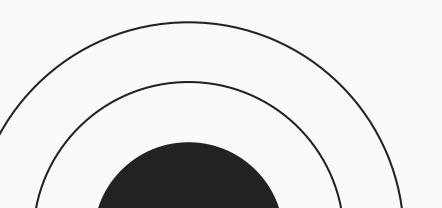
Tool and Equipment in Css

STEP BY STEP



Learning Content:

- Proper Tool Selection.
- Preparing for the task.
 - Safe use of Tools
- Different Types of Tools and their examples.



PROPER TOOL SELECTION:

• A tool is a handheld device that aids in accomplishing a task. Tools range from a traditional metal cutting part of a machine to an element of a computer program that activates and controls a particular function.

SAFE USE OF TOOL:

• Once selected, use the tool for the purpose for which it was designed. Not all tools come with detailed instructions, but there are those that do spell out the safety - Do's and Don'ts for the your safety. If there are set-up or use options, operator judgment must always be based on what is the safest way to use the tool.

SAFE USE OF TOOL:

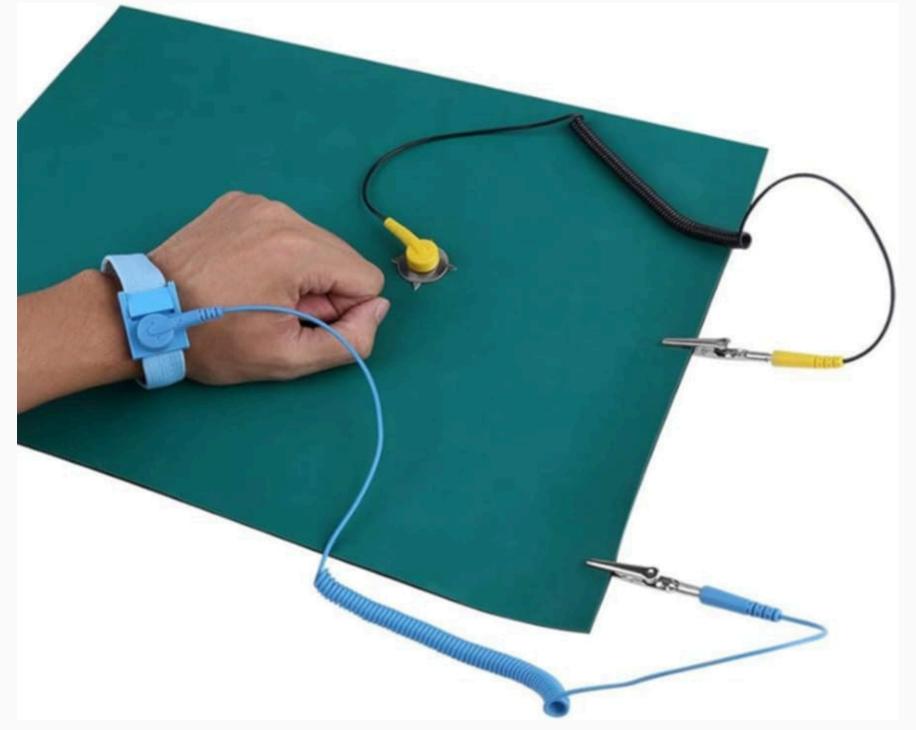
Environmental Safety and Health Program requires the following:

- •All tools be kept in good condition with regular maintenance.
- •The right tool must be used for the job.
- •Each tool be examined before use AND.
- •damaged or defective tools NOT to be used.
- •Tools be operated according to manufacturer's instructions.
- •The right protective equipment for the tool and activity be used

To complete hardware repairs, it is important to have a toolkit that should contain all of the necessary tools. As you gain experience, you will learn which tools to have available for different types of jobs. Hardware tools are grouped into these four categories.

- •Electro-Static Discharge (ESD) tools
- Hand tools
- Cleaning tools
- Diagnostic tools

Static electricity is easily generated by friction on carpets, tile flooring, clothing, hair, fabric, and etc. The friction of moving air alone will charge suspended particles and cause the buildup of static electrical charges on people and objects in the environment. Grounded anti-static work mats used with anti-static wrist straps provide the most basic means for the controlled discharge of electro-static electricity.



ESD TOOLS MEANING

• Prevents the sudden flow of electricity to avoid damage Your computer components and parts.



Anti-static wrist strap

Used to prevent ESD damage to computer equipment.



Anti-static Mat

 Used to stand on or place hardware on to prevent static electricity from building up.



Anti-static Jacket

Used to avoid contact in our body and other objects.



Anti-static Slipper

• Used prevent ESD and protection from electrical shocks.



 A hand tool is a device for performing work on a material or a physical system using only hands. The hand tools can be manually used employing force, or electrically powered, using electrical current.



Flat Head Screwdriver

• Used to loosen or tighten slotted (-)screws.



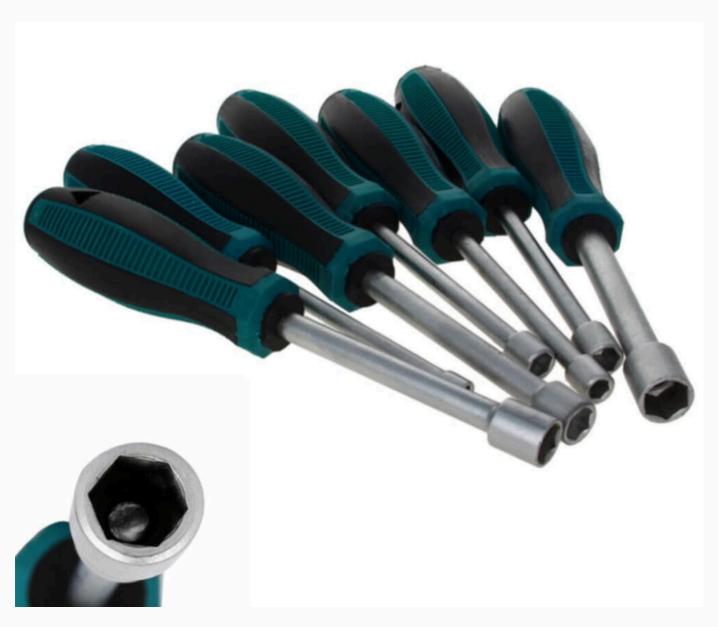
Philips Head Screwdriver

• Used to loosen or tighten crosshead (+) screws.



Torx Screwdriver

• Used to loosen or tighten screws that have a star-like head.



Hex Driver

• Sometimes called a nut driver, is used to tighten nuts in the same way that a screwdriver tightens screws.



Needle-Nose Plier

• Used to hold small parts and bend wire.



Wire Cutter

• Used to strip and cut wires.



Tweezers

• Used to manipulate small parts.



Parts Retriever

 Used to retrieve parts from location that are to small for your hand to fit



Flashlight

• Used to light up areas that you cannot see well



 Having the appropriate cleaning tools is essential when maintaining or repairing computers.
Using these tools ensures that computer components are not damaged during cleaning.



Lint-Free Cloth

• Used to clean different computer components without scratching or leaving debris.



 Used to blow away dust and debris from different computer parts without touching the components.



Cable Ties

Used to bundle cables neatly inside and outside of a computer



• Used to hold screw, jumpers, fasteners and other small parts and prevents them from getting mixed together.



• Computers are easier to use and more dependable with each new generation of hardware and operating system update, but that doesn't mean they're problem-free. So we have these tools to check and test every components and port of the computer system.



Multimeter

• Used to test the integrity of circuits and the quality of electricity in computer components.



Loopback Adapter

Used to test the functionality of computer ports



Network Tester

• Used to test the performance of your network cables.

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Reference

Bronoso, M. (2018, July 6). CSS L02 - Tool and Equipment in CSS [Slide show]. SlideShare. https://www.slideshare.net/slideshow/css-l02-tool-and-equipment-in-css/104507034