



U4L089


# Tools and Tests Equipment

# Roll Call



An illustration of a man with glasses and a green shirt sitting on a chair, reading a book. The background features a faint image of a school building and various data visualization elements like bar charts, a pie chart, and a line graph. A large green arrow points from the left towards the right, containing the text 'Recap of the Lesson'. There are also some decorative elements like a large green leaf and a small green plant.

# Recap of the Lesson



**✕**  
What are the tools and  
test equipment?

**✕**

**✕**

# Tools

A tool is a handheld device that aids in accomplishing a task. Tools range from traditional metal-cutting parts to elements of computer programs that activate and control particular functions.





# Selecting the best tool requires

- Understanding the scope of work.
- Planning the sequence of tasks.
- Training in proper tool use.
- Following manufacturer's instructions.



# Preparing for the Task

1. Obtain all necessary tools and associated consumable parts as recommended by the manufacturer.



# Preparing for the Task

2. Use tools only for their intended purposes.
3. Follow safety guidelines and manufacturer's instructions.





# Categories of Tools

**ESD Tools**

**Hand Tools**

**Cleaning Tools**

**Diagnostic Tools**

# Categories of Tools

## ESD Tools

Prevent damage from static electricity.

Examples:

Anti-static wrist straps, anti-static mats, anti-static jackets.



# Categories of Tools

## Hand Tools

Used for assembling and disassembling components.

Examples: Screwdrivers, pliers, tweezers, flashlights.



# Categories of Tools

## Cleaning Tools

Maintain cleanliness of components.

Examples: Lint-free cloths, compressed air, cable ties, parts organizers.



# Categories of Tools

## Diagnostic Tools

Test and diagnose hardware issues.

Examples: Multimeters, loopback adapters, network testers.





# Safety Practices

- Keep tools in good condition with regular maintenance.
- Use the right tool for each job.



# Safety Practices

- Examine tools before use; do not use damaged or defective tools.
- Operate tools according to manufacturer's instructions.
- Use appropriate protective equipment for each tool and activity.

