

UNIT 5: TOOLS

You are starting your first week as an electronics apprentice. Your supervisor asks:
“What tools do you already know how to use?”



Work in pairs.

1) Look at the pictures and classify the tools into:

cutting tools	gripping / holding tools	fastening tools	measuring / auxiliary tools

2) Choose three essential tools for a beginner and justify your choice.

1.
Why? (function / safety / frequency of use)
2.
Why?.....
3.
Why?

3) Answer:

- Which tool is the safest to cut wires?
- Which tool would be dangerous or incorrect to use? Why?

1. Listen and read the advice column. Then, complete the task.

4 Tools

Mr. Tech's

WEEKLY

ADVICE COLUMN

Question: I want to start repairing electronics. What sort of tools do I need to get started?

Dear Reader,

Start by buying a **Phillips screwdriver** and **needle nose pliers**. These are two of the most basic tools. Phillips screws are most common in electronics. However, sometimes you'll see slotted ones. In this case, you'll need a **flathead screwdriver**. Another useful tool is a **hammer**.

For electrical work, **diagonal cutters** are important. You will also need a **wire stripper** and **electrical tape**. A **medical hemostat** is also helpful to hold your wires.

After these basics, look into different types of **wrenches**. I suggest a **hex wrench** and a **torque wrench**. Also, a magnifier is helpful for detailed work.

1. What is the purpose of the response?

- A) to explain how to use a magnifier
- B) to describe different types of wrenches
- C) to list tools. needed to repair electronics
- D) to explain the importance of hammers

3. What tool is used with slotted screws?

- A) torque wrench
- B) flathead screwdriver
- C) hammer
- D) Phillips screwdriver

2. According to the passage, which item is used in a different profession?

- A) diagonal cutter
- B) wire stripper
- C) hex wrench
- D) hemostat

2. Complete the table with tools from the text.

ESSENTIAL for beginners:	USEFUL but not essential	SPECIALISED / occasional use

3. Answer:

- a) Why are Phillips screwdrivers more common in electronics?
- b) Why are diagonal cutters and wire strippers important for electrical work?
- c) Why can a hemostat be useful even if it is not an electronics tool?

3) Identify:

- a) One tool that does NOT belong strictly to electronics:
- b) One tool that could be dangerous if misused:
- c) One tool that improves precision but not safety:

Explain your answers.

- 4) Situation: You have a limited budget and can only buy 4 tools. Choose them from the text and justify your decision.**

VOCABULARY ✿

1. Match the words with the definitions (A–H).

electrical tape – hammer – hemostat – torque wrench – needlenose pliers –
wire stripper – Phillips screwdriver – hex wrench

- A)** a tool with a heavy metal head used for pounding or striking _____
- B)** an L-shaped tool used for loosening or tightening screws and bolts with a head shaped like a hexagon _____
- C)** a clamping tool originally used in medicine, used to hold wires _____
- D)** small pliers with thin long jaws used for holding and gripping small components _____
- E)** a tool that uses a gauge to tighten nuts and bolts _____
- F)** a tool used to cut and remove insulation from a wire _____
- G)** tape made of plastic or vinyl used to insulate electrical wires _____
- H)** a tool used to drive Phillips screws _____

2. Complete the table with three tools from above.

Tool	Main function	Safe for electronics? Yes/No/ It depends

3. Choose the correct tool and justify your answer.

- a) You need to remove insulation from a cable.
- b) You need to hold a hot wire safely.

c) You need to tighten a bolt with controlled force.

LISTENING 

4. Listen to a conversation between an apprentice and a professional electrician. Mark the following statements as *True* or *False*.

- 1) The man already has a Phillips screwdriver.
- 2) The woman prefers screwdrivers with plastic handles.
- 3) The woman likes Klein needlenose pliers for professional work.

5. Listen again and complete the conversation.

Apprentice: Hello, I'm Henry, the new apprentice. I'll be working with you.

Professional: Hi, nice to meet you. Do you 1) _____ ?

Apprentice: Yes, I already have a 2) _____ .

Professional: That's good, but you'll need a 3) _____ , too.

Apprentice: Okay, I'll get one. 4) _____ a certain type?

Professional: Yes, I prefer the ones with 5) _____ for a better grip.

Apprentice: Okay, thanks. And I also have Klein needlenose pliers.

Professional: Great. 6) _____ Klein needlenose pliers for professional work.

6. Complete the table with information from the conversation.

Tool	Who mentions it?	Purpose	Reason for recommendation

7. Situation: You only have money to buy ONE more tool. Which one should you buy first according to the conversation? Why?

SPEAKING **USE LANGUAGE SUCH AS:**

You also need ...
I prefer ...
I really like ...

Student A: You are a professional electrician. Talk to Student B about:

- what tools he or she still needs to get
- what type of tool you prefer and why
- what brand of tool you prefer

Student B: You are an apprentice. Talk to Student A about which tools you need.

- 8. Complete the conversation below based on Task 7, with the phrases given. Then, take roles and act it out.**

Do you recommend something else? – Okay, what’s the best brand of wire strippers? -
 Yes, I have electrical tape already – I’ll be working with you.

B: Hi, I'm the new apprentice. _____

A: Nice to meet you. Do you have any tools yet?

B: _____

A: Good, but you will also need wire strippers.

B: _____

A: I prefer Amos wire strippers.

B: Okay, thanks. _____

A: Yes, I really like to use a magnifier when working with wires. I suggest you get one.

WRITING 

9. Use the conversation from Task 8 to complete the list of advice from the professional electrician.

10. You are a new apprentice in an electronics workshop. Write a short report for your supervisor. Include:

- 1)** Tools you already have (2–3)
- 2)** Tools you need to buy first (2–3)
- 3)** The purpose of each tool
- 4)** Why these tools are important (safety / precision / efficiency)

Length: 80–120 words

USEFUL LANGUAGE

Introduction:

I am starting my first week as an electronics apprentice. At the moment, I have...

Main paragraph:

I need to buy...

Justification:

These tools are important because...

Closing:

This basic toolkit will allow me to work safely and efficiently.

SPEAKING **11. Work in pairs.****Student A: apprentice****Student B: professional electrician****Situation: It is your first week at work. You only have a basic toolkit and limited money.**

Student A must: <ul style="list-style-type: none"> - explain which tools they already have - ask for recommendations - ask about safety and quality 	Student B must: <ul style="list-style-type: none"> - recommend at least 3 tools - explain their function - justify why they are important (safety / precision / durability)
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Useful language:

I already have...

I still need...

Do you recommend...?

Is it better to use... or ...?

Why is this tool important?

Is it safe to use for...?

In my experience...

For professional work, it is better to...

12. Decision task You can only buy ONE tool today.

Discuss and agree on:

- which tool to buy
- why it is the priority
- what risks exist if you don't buy it

FINAL TASK – Designing a basic electronics toolkit

You are starting to work as an apprentice in an electronics workshop.

Your supervisor asks you to design a basic toolkit and justify your choices.

Part A – Technical selection (individual) - Create a “Basic Electronics Toolkit for Beginners”.

Choose 6 tools and complete the table:

Tool	Function	Priority (high/ medium/ low)	Reason (safety / precision / efficiency)

Part B – Professional role-play (in pairs)

Student A: apprentice

Student B: professional electrician / supervisor

The apprentice presents their toolkit. The supervisor:

- asks questions
- challenges at least one choice
- suggests one improvement

Duration: 3–4 minutes.

Part C – Written report (individual)

Write a short report for your supervisor (80–120 words).

Include:

- tools selected
- main functions
- priorities

Student

STI (2025-2026)

Worksheet: 14

- safety or professional reasons