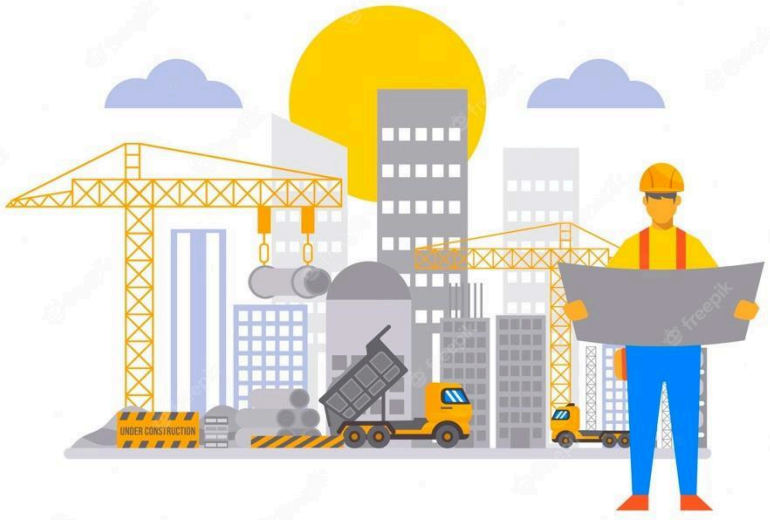
	Servicio Nacional de Aprendizaje – SENA **Centro de Industria y la Construcción – Regional Tolima**	**INGLES**
COMPETENCIA ASOCIADA	Comprender textos en inglés en forma escrita y auditiva.	
RESULTADOS DE APRENDIZAJE	• Comunicarse en tareas sencillas y habituales que requieren un intercambio simple y directo de información cotidiana y técnica. • Comprender frases y vocabulario habitual sobre temas de interés personal y temas técnicos.	
INSTRUCTOR		



ACTIVIDAD

- INTRODUCCION

El manejo del lenguaje técnico en inglés es importante para los aprendices no solo por sus habilidades académicas, sino también para incrementar la prospectiva de sus perfiles ocupacionales. La mayoría de los textos especializados, manuales, tutoriales actualizados se encuentran en inglés.

- OBJETIVOS DEL TALLER

Utilizar el vocabulario técnico aprendido e investigar mediante las herramientas tecnológicas con el fin de afianzar los conocimientos acerca de CONSTRUCTION.

- METODOLOGIA DE LA ACTIVIDAD

- Revisar vocabulario técnico visto en clase con base a BUILDING and CONSTRUCTION.
- De manera autónoma y eficaz aprenderán sobre el uso de herramientas utilizadas en cada campo de la construcción, características y vocabulario relacionado con los mismos.

- Desarrollar las siguientes actividades con base a sus conocimientos, también pueden investigar mediante las herramientas tecnológicas para desarrollar las actividades un poco más complejas.

Hand tools 1



Get ready!

1 Before you read the passage, talk about these questions.

1 What are some common hand tools?
2 Which hand tool would you use to saw wood?

Reading

2 Read the equipment purchase request. Then, mark the following statements as true (T) or false (F).

1 __ The employee needs two types of pliers.
2 __ The employee uses a claw hammer on every job.
3 __ The employee's tool box was stolen.

Vocabulary

3 Match the words (1-6) with the definitions (A-F).

1 __ utility knife
2 __ flathead screwdriver
3 __ needle-nose pliers
4 __ tape measure
5 __ tool box
6 __ level

A a tool used to turn slotted screws, which have one long slot
B a tool used to measure how flat something is
C hand tools with long, narrow extensions on the end, used to reach into narrow gaps
D a portable container used to carry tools
E a small tool used to cut various materials, such as cardboard or rope
F a tool used to determine the length of something

4 Fill in the blanks with the correct words and phrases from the word bank.

word BANK

claw hammer hand saw hacksaw
Phillips screwdriver slip-joint pliers

1 These _____ have a very firm grip.
2 Use a _____ to tighten these screws.
3 Get the _____ to remove those nails.
4 That _____ is worn from cutting so much metal.

Carlton Construction Co.

Equipment Purchase Request

Employee: Robert Jackson

Requested Items:

- ☑ Phillips screwdriver
- ☑ flathead screwdriver
- ☑ claw hammer
- ☐ tape measure
- ☐ level
- ☐ utility knife
- ☑ needle-nose pliers
- ☐ slip-joint pliers
- ☐ hacksaw
- ☐ hand saw
- ☑ Other: tool box

Reason for request: Many of my tools are missing. I need flathead and Phillips screwdrivers. I can't install doors without them. I also need a claw hammer and needle-nose pliers. I use them on every job. Finally, I need a toolbox that locks. That's because I believe that someone stole my

5 Listen and read the equipment purchase request again. What tools does the man use most often?

Listening

6 Listen to a conversation between a supervisor and a construction worker. Choose the correct answers.

1 *What is the conversation mainly about?*

- **A** the price of new tools
- **B** what tools are needed
- **C** how tools were lost
- **D** the best tools for a job

2 What is true of the woman?

- **A** She did not receive the purchase request.
- **B** She wants the man to pay for new tools.
- **C** She does not think the tools are important.
- **D** She cannot do her job without new tools.

7 Listen again and complete the conversation.

Worker: Ms. Clemmons, excuse me. Did you get my purchase request?

Supervisor: 1 _____ _____. What do you need?

Worker: Well, I need 2 _____ _____ _____ screwdrivers.

Supervisor: Okay. Is that all?

Worker: 3 _____ _____. I also need a claw hammer and needle-nose pliers.

Supervisor: That's 4 _____ _____ _____ tools. Are they that important?

Worker: Oh, yes. I can't 5 _____ _____ _____ _____ them.

Supervisor: 6 _____ _____. I'll put the order in today.

Speaking

8 With a partner, act out the roles below based on Task 7. Then, switch roles.

USE LANGUAGE SUCH AS:

Did you get my ...

What do you need?

Is that all?

Student A: You are a construction worker. Talk to Student B about:

- a request for tools
- what tools are needed
- the importance of the tools

Student B: You are a supervisor. Talk to Student A about tools.

Writing

9 Use the equipment purchase request and the conversation from Task 8 to fill out the equipment request form.

Jackson Construction

Request Form

Employee: _____

Requested tools:

_____

_____

_____

Reason for request:

_____

_____

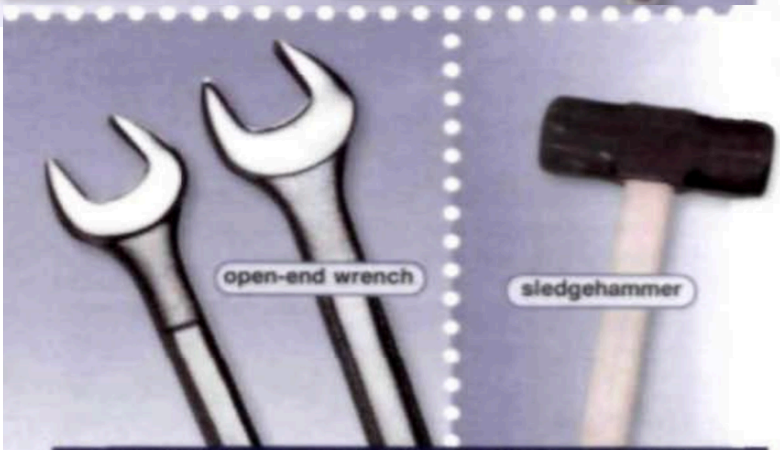
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2 Hand tools 2





JOHN'S HARDWARE
SPECIAL SALE!

John's Hardware is having a special sale on hand tools! From **sledgehammers** to **snips**, everything is available at a low price! Here are some of the great deals.

Adjustable wrenches are on sale for just $7.00. We also have sets of five **box-end wrenches** or **open-end wrenches** for $16.00 each. The deluxe **socket wrench** set comes with eight **sockets**. It's only $28.00 this week!

Get ready!

1 Before you read the passage, talk about these questions.

1 What tool can be used to cut metal?
2 What are some different kinds of wrenches?

Reading

2 Read the ad for a hardware store. Then, mark the statements as true (T) or false (F).

1 ___ Box-end and open-end wrenches are available together in a set.
2 ___ The socket wrench set does not include sockets.
3 ___ Chalk line reels are marking tools.

Vocabulary

3 Match the words (1-5) with the definitions (A-E).

1 ___ plumb bob
2 ___ speed square
3 ___ snips
4 ___ chalk line reel
5 ___ socket

A strong scissors used to cut sheet metal or similar materials
B a triangle-shaped tool used to draw straight lines and angles
C a head that attaches to a wrench for tightening different sized bolts
D a weight attached to a line used to determine if something is perpendicular to something else
E a tool that leaves a straight line on a flat surface

4 Read the sentence and choose the correct word.

1 I have several heads for this **adjustable wrench / socket wrench**.
2 Put the end of the **box-end wrench / open-end wrench** completely around the bolt.
3 Are you strong enough to lift that **socket wrench / sledgehammer**?

But that's not all. Our accurate measuring and marking tools are on sale, too. **Speed squares** are only $4.00 each. **Plumb bobs** and **chalk line**

6

4 A(n) **box-end wrench / open-end wrench** only grasps opposite sides of a bolt.

5 Make the opening of that **adjustable wrench /**

3 Power tools

The Handy Man Magazine Guide to Power Tools

By Marcus Ericson



Do you want high quality power tools? Here are the best toolmakers around.

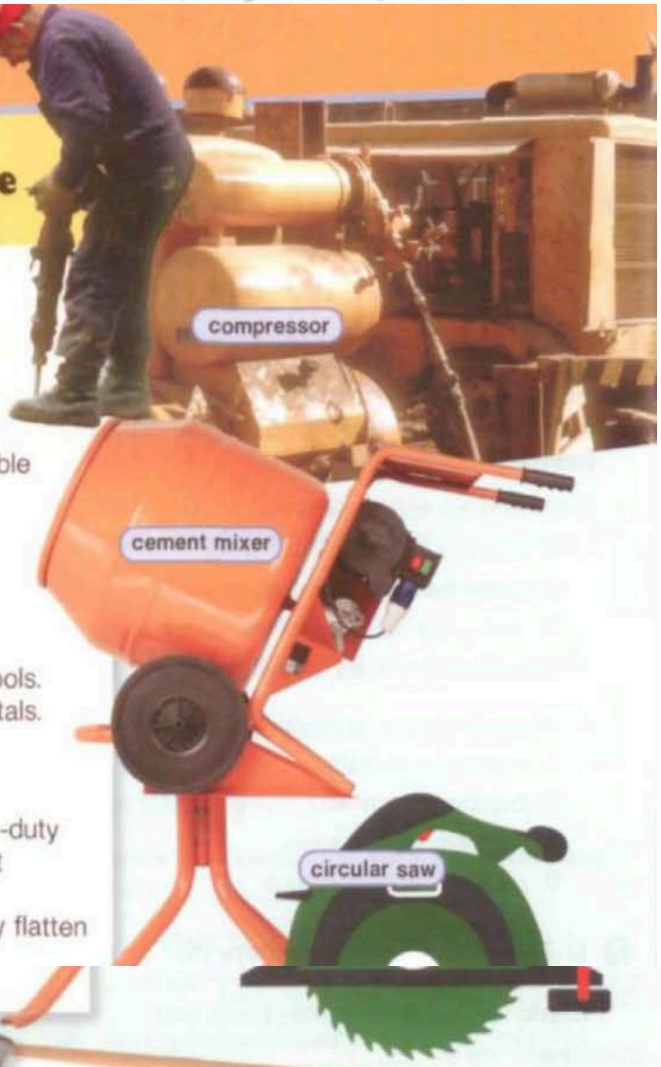
Every toolbox needs a drill or two! For a **hammer drill** or **power drill**, try Bentley Tools. Their drills and **nail guns** are reliable and powerful. And Bentley tools are cordless. Take them anywhere!

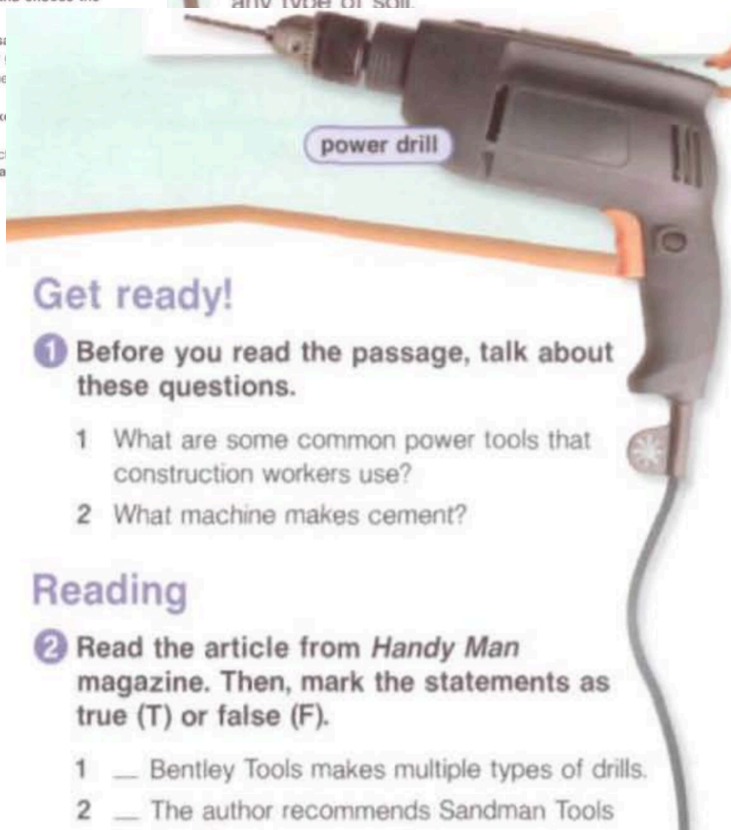
For a **circular** or **reciprocating saw**, Cutco won't let you down. You get a smooth, accurate cut every time.

Do you need a **sander**? Try Sandman Tools. Their sanders smooth all woods and metals.

Marshall Industries makes great **air compressors** and **cement mixers**.

Finally, heavy-duty materials need heavy-duty tools. Builder's Source **jackhammers** cut through rock and pavement easily! This company also makes **compactors**. They flatten any type of soil.





3 Read the sentence and choose the correct word.

1 The **reciprocating sa** through materials by
2 To make a hole in the **hammer drill**.
3 Use the **cement mix** the ground.
4 Since there's no elec jackhammer to the **a**

Get ready!

1 Before you read the passage, talk about these questions.

1 What are some common power tools that construction workers use?
2 What machine makes cement?

Reading

2 Read the article from *Handy Man* magazine. Then, mark the statements as true (T) or false (F).

1 __ Bentley Tools makes multiple types of drills.
2 __ The author recommends Sandman Tools

Vocabulary

3 Write a word that is similar in meaning to the underlined part.

1 To cut through the wood, use a device with a rotating metal disk that has sharp teeth.
_ i _ _ _ l _ r _ _ w

2 Joe's tool that breaks up hard surfaces is broken.
_ _ c k _ _ _ m _ _

3 Start laying concrete after the rotating barrel mixes everything.
_ _ _ e _ t _ _ x _ _

4 Get the electrically powered tool with a rotating bit.
_ o _ _ r _ _ _ _ l

5 Before you paint the wood, use a machine that makes wood smooth on it.
_ _ n _ e _

6 If the wall is too hard to hammer the nail into

4 Fasteners

HOME | ABOUT US | SERVICES | CONTACT


screws


nails


bolt and nut


washer


anchors


staples

Barnes Fasteners

Know the Right Fastener for Your Task

Sometimes you need more than a simple **screw** or **nail**. More complex tasks require *more complex fasteners. Here are some* suggestions.

Fasten structural wood-to-wood connections with heavy **bolts**. Always use a **washer** to reduce pressure. Bolts without tapered ends should be secured with a **nut**. **Anchors** hold screws or bolts in weak materials.

There's more to know about bolts, though. Know what **grade** to buy. And check if you need **UTS thread** or **metric thread**.

Smaller fasteners are equally useful. **Brads** are great for hanging pictures or other household tasks. And **staples** *are not just for paper! For* example, large ones attach shingles to a roof.

Get ready!

1 Before you read the passage, talk about

Reading

2 Read the website for a fastener manufacturer. Then, mark the statements as true (T) or false (F).

1 __ Heavy bolts can make structural connections.
2 __ Nuts should be used to secure an anchor.
3 __ Shingles are attached to roofs with brads.

Vocabulary

3 Match the words (1-5) with the definitions (A-E).

1 __ screw
2 __ washer
3 __ staple
4 __ brad
5 __ bolt

A a thin, small nail with a slight projection at the top on one side
B a metal fastener with a threaded body and held in place with a nut on the end opposite the head
C a flat disk placed beneath a nut to distribute pressure or prevent leaking
D a metal fastener with a threaded shank that is *driven into place with a screwdriver*
E a U-shaped fastener used to hold something together by penetrating it and curling around it

4 Read the sentence pair. Choose where the words best fit the blanks.

1 ***grade / anchor***
A Use a(n) _____ if the material is too weak to hold the screw.
B *Can you tell me the* _____ *of that bolt?*

2 **metric thread / UTS thread**
A _____ measures a screw's thread in millimeters.
B _____ is most commonly used in the United States.

3 **nut / nail**

5 Listen and read the website for a fastener manufacturer again. What jobs are different fasteners used for?

Listening

6 Listen to a conversation between two construction workers. Choose the correct answers.

1 What problem do the workers discuss?

A They need small bolts.
B They need different grade bolts.
C They cannot find the right size nuts.
D They used the wrong size bolts.

2 What will the woman likely do next?

A return to the tool shed
B take the man's bolts
C purchase new bolts
D attach the beams

Speaking

8 With a partner, act out the roles below based on Task 7. Then, switch roles.

USE LANGUAGE SUCH AS:

Do you have ...
I do have some ...
They're too ...

Student A: You are a construction worker. Talk to Student B about:

- what type of fastener you need
- why another fastener won't work
- what you should do

Student B: You are a construction worker. Talk to Student A about what type of fastener they need.

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Audio 6:
https://drive.google.com/file/d/1iCuGx-osCWDMVtv9FxE6LbQrhT4D3Qae/view?usp=sharing

5 Safety equipment





To: r.ortiz@desertconstruction.com, t.jacobs@desertconstruction.com, p.alfonso@desertconstruction.com
From: t.klein@desertconstruction.com
Subject: Safety Equipment

Dear Site Managers,

Last week, an employee was injured. A cement block fell and broke his toes. We want to avoid these injuries.

Remind all employees to wear personal protective equipment (PPE). To enter the construction site, everyone needs **steel-toe boots**, **hard hats**, and **safety glasses** or **goggles.** Employees need to wear **leather gloves** when nailing, doing electrical work, and sanding or cutting wood. **Dust masks** or **face shields** are also essential for wood cutting. **Earplugs** are necessary when working with loud tools like jackhammers. Anyone handling a power tool must also wear **grip gloves**. **Kneepads** must be worn when working on the ground.

Finally, keep **first aid kits** on site. Make sure everyone knows where they are. If we follow these guidelines, injuries won't be a problem.

Thanks,
Tim Klein
Owner, Desert Construction

Get ready!

1 Before you read the passage, talk about these questions.

1 What is some safety equipment used on a construction site?

2 What safety equipment protects a worker's feet?

Reading

2 Read the email on safety equipment. Then, complete the table using information from the email.

Situation	PPE needed
Arriving at the construction site	_____
Working with wood	_____
Using loud power tools	_____

Vocabulary

3 Write a word that is similar in meaning to the underlined part.

1 Wear a <u>partial face covering that protects your mouth and nose</u> when you sand wood.
_ _ _ t m _ _ _

2 When installing floors, wear <u>equipment that protects the knees.</u>
_ _ _ _ p _ d s

3 John wore <u>small pieces of plastic</u> so that the noise from the machinery didn't hurt his ears.
_ _ r p _ _ _ _

4 To avoid head injuries from falling objects, wear a <u>helmet made of plastic or metal.</u>
_ _ r _ _ _ t

5 Greg wasn't hurt when he dropped the wood because he was wearing <u>shoes that have extra reinforcement at the toes.</u>
_ _ _ _ l - _ o _ _ _ _ t s

6 Using some chemicals or tools requires a <u>protective covering for your entire face.</u>
_ a _ _ _ h _ _ _ d

7 <u>Protective eyewear that shields the eyes and area around them</u> are necessary when drilling.
_ _ _ _ l _ s

4 **Match the words (1-4) with the definitions (A-D).**

1 __ first aid kit
2 __ grip gloves
3 __ safety glasses
4 __ leather gloves

A safety equipment that protects the hands
B a container that has items needed to treat a small injury
C protective eyewear that uses shatterproof glass
D protective equipment that helps people to hold things firmly

5 **Listen and read the email on safety equipment again. What do you think is the most important piece of safety equipment? Why?**

Listening

6 **Listen to a conversation between a manager and a construction worker. Mark the following statements as true (T) or false (F).**

1 __ The man is not wearing his safety equipment.
2 __ The company was fined by an inspector.
3 __ The man received a written warning.

7 **Listen again and complete the conversation.**

Manager: Richard, where are your hard hat and safety glasses?
Worker: I just 1 _____ _____ _____.
Manager: Well, you need to wear them 2 _____ _____ _____. Otherwise, the safety inspectors can fine us.
Worker: I'm sorry. It's just that it's so hot 3 _____ _____!
Manager: I know it is. But you could be hurt or killed 4 _____ _____.
Worker: Okay. I'll put them 5 _____ _____.
Manager: Thank you. This is just a verbal warning. 6 _____ _____, it'll be a written warning.
Worker: I understand!

Speaking

8 **With a partner, act out the roles below based on Task 7. Then, switch roles.**

USE LANGUAGE SUCH AS:

Where are your ...?
You need to wear ...
The next time ...

Student A: You are a construction site manager. Talk to Student B about:

- a piece of safety equipment
- why the person needs to wear it
- the consequences of not wearing it

Student B: You are a construction worker. Talk to Student A about proper personal protective equipment.

Writing

9 **Use the email and the conversation from Task 8 to fill out the written warning.**



Written Warning

Employee name: _____
Date of incident: _____
Reason for warning: _____
_____
_____
Actions Taken: _____
_____
_____

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