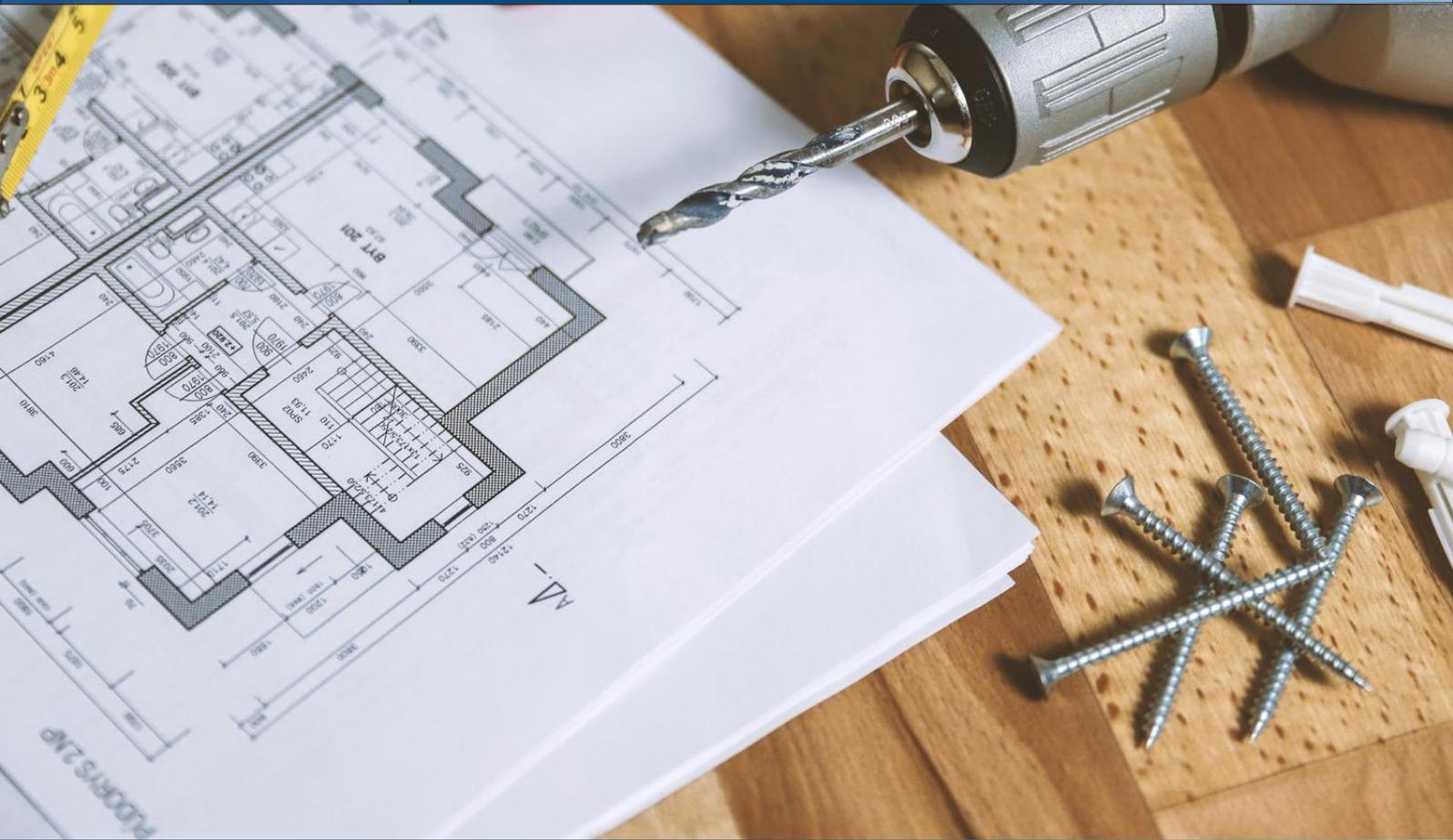


Unit 6

The blueprint is next to the drill

- Talking about the locations of objects
- Identifying where essential parts are



Launch Pad

- What is located in front of your work building?
- Where do you usually put your keys when you get home?
- Where do you store your important items at work?
- What is on the walls right now?
- Where is your coworker or partner sitting?

Vocabulary: Control panel

Dialogue: Operating a robot

*Listening :
Supervisor's Request*

*Grammar: Prepositions of
location, There is/are*

*Controlled Practice:
Items in a warehouse*

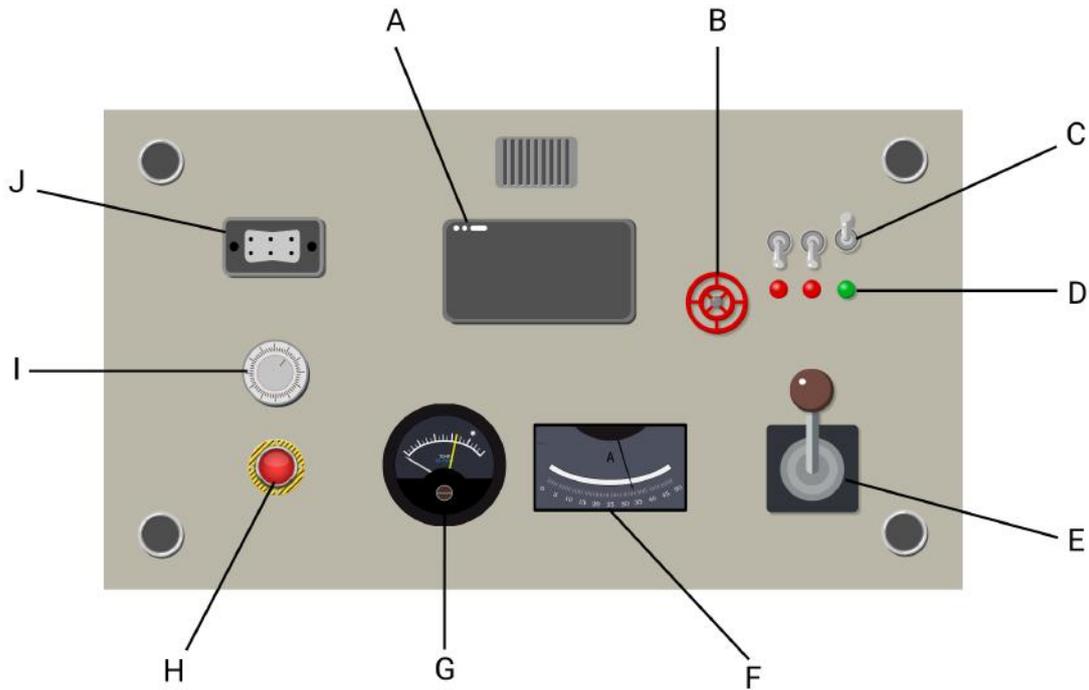
*Simulation:
Factory floor plan*



Vocabulary

Look at the control panel, label the parts using the words in the box.

touchscreen, lever, dial, port, emergency button,
indicator light, switch, valve, ammeter, temperature gauge



Conversation

An engineer is explaining to a customer how to control the basic functions of their robotic arm.

Practice the conversation and then switch roles.

Joseph: Let me show you how easy it is to use. First press the power button.

Andrew: Um, which one is it?

Joseph: Ah, it's the big red one in the middle on the top of the panel.

Andrew: Ok, got it, what next?

Joseph: Next, to move the arm sideways move the control stick on the right side. Be careful, it is sensitive.

Andrew: Ok...whoa!

Joseph: Right! Slowly... Now to move the arm up and down use the left control stick.

Andrew: I see...fantastic!

Joseph: Finally, to open or close the grip, twist the control knob on the bottom right, it is pretty powerful!

Andrew: Wow! Amazing, we could definitely use this!





Listening - Track 9

Listen to the conversation and answer the questions.

1. What items does the supervisor need from the stockroom? How many does he need for each item?
Listen and find out.

2. Listen again and answer the questions.

- a) Why is the supervisor busy?
- b) What project are they for?
- c) Which stock room does he need to go to?



Grammar

There is / are

There is a new colleague in my department. (singular)

There are new colleagues in the office. (plural)

Prepositions of location

The blueprint is **on** the desk.

The blueprint is **on** the wall.

The blueprint is **under** the desk.

The blueprints are **in/inside** the drawer.

The blueprint is **in front of** the laptop.

The blueprints are **beyond** the laptop.

The blueprints are **next to** the toolbox.

The blueprint is **between** the lamp **and** the laptop.

More examples:

There is a drill next to the vice.

There are five screws on the workbench.

Under the notebook, there is a blueprint.

The blueprint is on the wall, between the calendar and the shift schedule.



Controlled Practice

Work with a partner.

Partner A - Look at the image below. Partner B - Look at the image on the next page

Partner A. Look at this service panel for a manufacturing assembly line. Your partner has a similar service panel but there are seven differences. Describe your control panel to your partner and answer any questions. Find the different parts and make notes.

Example:

- A: There is one red lever.
- B: Where is it?
- A: It's on the left, in the middle.
- B: Ok...is it in the on or off position?
- A: Off.





Partner B - Look at the image below. Partner A - Look at the image on the previous page.

Partner B. Look at this service panel for a manufacturing assembly line. Your partner has a similar service panel but there are seven differences. Describe your control panel to your partner and answer any questions. Find the different parts and make notes.

Example:

A: There is one red lever.

B: Where is it?

A: It's on the left, in the middle.

B: Ok...is it in the on or off position?

A: Off.



