# Techno-LOGISTICAL

EAE Learning objectives for this lesson

Review and practice the future tenses. Review how to tell the time and practice telling the time. Discuss the future of logistics. Comprehension activities role plays and dialogues.

**Activity One: Ask and answer with your partner or teacher.**

1. What new technology is used in logistics in your company?
2. Are you familiar with the trends in new technology?
3. Are you interested in technology in general?
4. Do you think that technology is a threat or an opportunity?
5. Can machines do better work than men and women in your area?
6. Are there any robots working for your company?
7. Could people do more interesting jobs if robots took over the repetitive tasks?
8. What repetitive tasks do you do in your job?
9. What repetitive tasks do other people do in your job?





**Activity Two: Future Tense review.**

## Simple Future Tense:

This tense is used when an action is promised / thought to occur in the future



**Structure: Subject + shall/will+verb**

Example: COVID will continue to cause challenges for the logistics sector.

Note: The structure of the present progressive tense also can be used when an action is promised/arranged/planned to take place in the near future.

## Future Continuous Tense:

This tense is used when an action is promised/thought to be going on at a specific time/context in the future.

**Structure: Subject + shall/will + be + verb+ing…**

Example: XPO will be monitoring the upcoming challenges over the next 12 months.

## Future Perfect Tense

This tense is used to demonstrate an action which is promised to be done by a certain time in the future.

**Structure: Subject + shall/will + have + verb in the past participle**

Example XPO will have prepared new delivery strategies before the next lockdown.

**Activity Three:** Reading Article: Extract from: "What does the future hold for logistics?"

https://www.supplychaindigital.com/logistics-1/what-does-future-hold-logistics

The COVID-19 pandemic has shown what an important component the logistics sector is to the world. At the end of May 2020, e-commerce sales achieved record growth (£2.1bn up from £1.3bn from the year before) as organisations adapted to coping in the challenging social and economic environment. According to the Office for National Statistics, the last and first time online sales broke the £2bn mark was in December 2019. As companies seek to make their supply chains more efficient, the adoption of digitisation, mechanisation and automation into operations is becoming more prevalent.

According to estimates from the Office of National Statistics, the UK population is expected to rise to 69.4 million over the next decade and 72.4 million by 2043. This will mean UK occupiers will need more and better quality space to keep up with the rise in demand. Some consolidation of premises will occur for those occupiers that are dealing with legacy issues of their distribution networks as they seek to make their supply chains more agile, lean and efficient. As a result, regional and national distribution centres will need greater space and more cubic capacity, with an increased use of racking, to enable a higher level of mechanisation and automation. Over the next few years, it is expected that consumers will remain the driving force in the industry as innovations move forward and demand remains robust. The key for developers, agents, landlords, town planners and occupiers to embrace these changes to ensure the industrial and logistics sectors can continue to meet the needs of the evolving consumer landscape.

**Questions:**

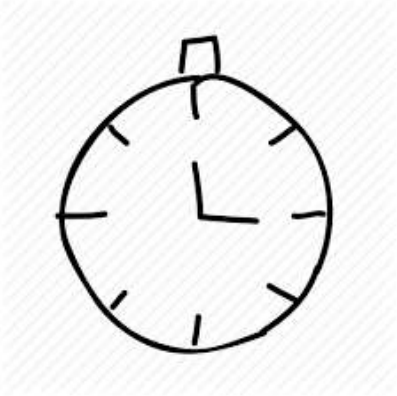
1. What will logistics companies do to make their supply chain more efficient?
2. What will happen if the UK population rises to 72.4 million by 2043?
3. Over the next few years, what will remain the driving force in the logistics industry?
4. What will happen if developers, agents, landlords, town planners and occupiers embrace these changes?
5. What do you think the future of logistics will look like?

## Activity Four: Telling the time in English.

1) Say the hour first and then the minutes. (Hour + Minutes)
   - 6:25 – It's six twenty five
   - 9:05 – It's nine O-five (The O is said like the letter O)
   - 4:11 – It's four eleven
   - 1:34 – It's one thirty four

2) Say the minutes first and then the hour. (Minutes + PAST / TO + Hour)

For minutes 1-30 we use PAST after the minutes.
For minutes 31-59 we use TO after the minutes.
   - 6:25 – It's twenty five (minutes) past six
   - 2:35 – It's twenty five (minutes) to three
   - 4:18 – It's eighteen (minutes) past four
   - 2:59 – It's one (minute) to three



NOTE: When it is 15 minutes past the hour we normally say: quarter past- 7:15 – It's quarter past seven

When it is 15 minutes before the hour we normally say: quarter to - 12:45 – It's quarter to one

When it is 30 minutes past the hour we normally say: half past- 3:30 – It's half past 3 (but we can also say it's three-thirty)

O'clock - We use o'clock when there are NO minutes




- 7:00 – It's 7 o'clock
- 10:00 – It's 10 o'clock

AM vs PM. AM - Morning PM - Evening

**With a partner or your teacher ask and answer the following questions:**

1. What time do you usually get up during the week?
2. What time do you usually go to bed during the week?
3. What time did you get up this morning?
4. What time did the lesson start?
5. What time will the lesson end?
6. What time is it now exactly?
7. What times do you eat meals at the weekends usually?
8. What time do you have to leave for work or start work on a week day?



**Activity Five: Expressions**. Read the expressions about time keeping. Then read the dialogue and continue it with a partner… what will happen next? What will be decided?

**Running late**

**Delivery delay**

**Right on time**

**Reschedule a delivery**

**Meet a deadline**



**Arrive ahead of schedule**

**Behind schedule**

**According to schedule**

**Prompt response**

**ASAP (As soon as possible)** ☺



**Manager** - We've just sent out the latest order for AirBus and we will need a **prompt response** upon receipt of this order.

**Colleague**- Well, the last order went **according to schedule** so I don't see why this one should pose a problem.

**Manager** - The transportation unions have been blocking entry into some cities and it is causing more and more **delivery delay**.

.....continue the dialogue.....



**Activity Six** - **Rôle Plays** with a partner or with your teacher.

1. You are the logistics manager of a big company and you are negotiating with the local transportation union official as you have a critical shipment that cannot be **behind schedule.**
2. You are setting up a new company of storm-trooper robots to deliver Starbucks coffee fresh and hot to the surrounding business district. Approach the local Starbucks franchise and explain your **'Right on Time'** plan and how you can work together.
3. The manager of a warehouse has received a call from the night guard because a huge delivery has arrived **ahead of schedule**. The manager is still in his Darth Vader pyjamas and the driver is threatening to leave with the shipment.
4. There is an urgent organ delivery that has been scheduled and the transportation company driver has had an accident in route. You are the logistics supervisor, find a solution.
5. An order of Godiva chocolates is **running late** and stuck at a hub located on the equator ! You need to find another company in the area to pick up the order before it melts.

**Activity Seven** - **Read and resume the following texts**. Then talk about technology with your partner or teacher.



1. What new technology is discussed in these articles?
2. What new technology will be introduced in your company?
3. What impact will it have?
4. What kind of new technology will be introduced in logistics in the next ten years?

## The Starship Enterprise goes Logistics !!!

**Starship Campus Delivery Service with Robots** - https://youtu.be/P_zRwq9c8LY

**Self-driving robots**

Delivery robots turning up at your door is still a bit of a gimmick. But it could soon be an everyday occurrence, one set to transform end-delivery logistics. A number of startup companies, including Swiss-based Teleretail AG and UK-based Starship Technologies, are already prototyping this new tech with great success.

Controlled and dispensed from a local hub, the technology is much like that used in self-driving cars, including sensors, computer vision systems and GPS systems, which help them navigate city environments. Starship's robots can currently deliver within a 2-mile radius, taking 5-30 minutes to complete the task.

These robots could have a significant impact, enabling packages to be delivered at a fraction of the cost, and reducing the environmental impact thanks to their efficient, green systems. They also make deliveries safer by taking humans off the task.

How soon could they be put to work? In April Starship announced plans to roll out 1,000 vehicles by the end of the year.

**Automated ships and trucks**

*Credit: Waymo*

Getting goods from factories to warehouses and distribution centres is a mammoth logistical task. But with automated trucks and ships – complete with cameras, lasers, and GPS systems – being tested, this part of the supply chain is about to be disrupted.

In March this year Waymo launched a pilot programme focusing on self-driving trucks and automated logistics. In fact, their smart big rigs are already set to deliver freight to Google's data centres in Atlanta. While they'll still need a safety driver for now, eventually they'll drive alone.

Out at sea, transporter vessels are also verging on being able to transport freight autonomously. In Norway Massterly has created the Yara Birkeland, the first fully electric self-captaining container ship.  37 metres long and able to carry 120 containers, it will even be capable of loading and unloading without a crew.

These trucks and ships will enable massive efficiencies and cost savings. Working 24/7, they'll always take the quickest route, speeding up delivery times. In addition, humans will no longer be needed on the road or out at sea. Instead their roles will become more technical as they oversee navigation from a monitoring system thousands of miles away.

**Activity Eight:** Describe what's happening in the following images.





