

**79. Transportation, Distribution, and Logistics Cluster - Shipping and Truck Driving Careers (4 hours)**

**Purpose/Abstract:** To introduce students to careers in shipping and truck driving.

**NCCCS Adult Education Standards:** R.3.2.3, W.5.2.4, M.2.2.3

**Learning Objective:**  
*By the end of the session, students will be able to:*

- Describe any two careers related to shipping and truck driving in simple terms.
- Demonstrate how teamwork and communication enhance safety and efficiency in shipping and truck driving careers.
- Explain the importance of a CDL for truck driving careers and gather information about its demand.

<b>Soft Skills</b>	Communication and teamwork	<b>Resources</b>	<a href="#">Transportation Distribution and Logistics Overview   Career Cluster / Industry Video Series</a>  <a href="#">Time   3rd grade   Math   Khan Academy</a>  <a href="#">53-3033.00 - Light Truck Drivers</a> <a href="#">53-7121.00 - Tank Car, Truck, and Ship Loaders</a> <a href="#">53-7062.00 - Laborers and Freight, Stock, and Material Movers, Hand</a> <a href="#">53-3032.00 - Heavy and Tractor-Trailer Truck Drivers</a>  <a href="#">Understanding the Different Classes of CDL Licenses: A, B, and C</a>  <a href="#">How to Get a CDL (Commercial Driver License) in 2023</a>  Handouts: Reading Comprehension - one for each student.
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**Additional Materials**

- Reading Comprehension, one for each student.
- Art supplies (glue, glitter, markers, paint, etc.)
- Pencils, paper, and scissors
- Computers for student use

<b>Icons</b>	 <b>Activity</b>	 <b>Check-In</b>	 <b>Review</b>
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**PREPARATION**

- Watch [Transportation Distribution and Logistics Overview | Career Cluster / Industry Video Series](#) and prepare to summarize all the careers discussed so far in this cluster.
- Review the [Instructional Support Guide](#) and print/prepare referenced scaffolds.
- Print handouts.



- Familiarize yourself with [O\\*NET](#)
- Familiarize yourself with [Skills to Pay the Bills](#), though it won't be used directly in this lesson.

## INTRODUCTION (30 min)

Welcome students to the class!

Play Transportation Distribution and Logistics Overview | Career Cluster / Industry Video Series and summarize all the careers discussed in the video. Make connections to the ones covered in previous lessons in this cluster. Facilitate a short ice-breaker related to the content of the video. For example, you can ask students to share one interesting thing they learned from the video or something they found surprising about careers in the transportation, distribution and logistics cluster.

Explain that today's lesson will dive deeper into careers related to shipping and truck driving within this cluster. Mention that they will explore why these careers are essential and how good teamwork and communication skills play a vital role in them.

Introduce the objectives of the lesson.

**Instructor Note:** This is the last lesson in this cluster, so if required extend this section to have discussions with students about their experiences learning about each cluster so far.

## VOCABULARY, READING & WRITING (45 min)

Before providing the reading passage, have students spend 15 minutes and write about any big questions they have about shipping and truck driving careers. Encourage them to list out what they already know about these professions and what key skills they think are required for careers in this pathway.

Ask a few volunteers to share their writing.

Distribute the reading comprehension handout and allow time for students to read and reflect on the information presented. Let them know that they will take part in a class discussion around the importance of communication and teamwork.

## REFLECTION (15 minutes)

✓ Bring the class together and ask the following comprehension questions to guide a discussion around what they read.

- *How do Dock Workers demonstrate effective teamwork and communication in their daily responsibilities? Provide specific examples from the passage.*
- *What are the potential consequences of inadequate communication for Tank Car Loaders when handling hazardous materials? How does teamwork help mitigate these risks?*
- *In what ways do Light Truck Drivers demonstrate clear communication with customers during their deliveries? Can you think of a scenario where poor communication might negatively impact a delivery? Have you ever experienced a delay in receiving deliveries due to poor communication?*
- *What are the key responsibilities of Heavy & Tractor-Trailer Truck Drivers that rely on communication and teamwork? How can a lack of communication affect their role?*

- *Reflect on a situation where teamwork and communication are essential in your own life, similar to the examples in the passage. How does effective communication and collaboration impact the success of that situation?*

**Lower Level**

Encourage students to write about what they watched in the video and what questions they have after watching if they find it difficult to write down skills required for these careers.

**Higher Level**

Have students think about a few challenging situations they might face in these careers, especially, in shipping and truck driving careers.

**MATHEMATICS (45 min)**

Explain that time management is crucial in truck driving careers because it ensures that deliveries are made on time, schedules are met, and safety is maintained. Efficient time management helps truck drivers optimize routes, plan breaks, and navigate traffic, ultimately contributing to the success of their journeys and the overall transportation and logistics industry.

Tell students they will practice problems related to time estimation and calculation in relation to real-life examples from these careers.

Review how to calculate time differences. Recall strategies used in previous lessons.

Project these problems and allow time for students to solve them.

1. *A truck left at 9:15 AM and arrived at 2:30 PM. How many hours and minutes did the journey take?*
2. *A truck has to travel 120 miles. If it goes at 40 miles per hour, how many hours will it take to get there?*
3. *A truck is making three stops on its route, each taking 10 minutes. If it leaves at 9:15 AM, when will it reach its final destination, considering the stops?*
4. *A truck needs to finish a 200-mile delivery within 4 hours, including a 15-minute lunch break. If it starts at 11:30 AM, will it make it on time? What time will it arrive?*
5. *A Dock Worker is responsible for loading and unloading cargo from ships. If it takes them 15 minutes to unload each container from a ship, and there are 6 containers to unload, how long will it take the Dock Worker to complete the task? Calculate the total time required for unloading.*
6. *A Dock Worker needs to report for work at 7:30 AM. They leave home at 6:45 AM to commute to the dock, and the commute takes 30 minutes. What time should the Dock Worker start their commute to ensure they arrive at work on time? Calculate the start time for their commute.*

As students work on the problems, walk around and provide support as needed.

 REFLECTION (10 minutes)

- ✓ Review the steps and the answers with the class and clarify doubts.

**Lower Level**

Allow students to review the time measurement and calculation steps using videos on Khan Academy referenced in earlier lessons.

**Higher Level**

Challenge students to take the unit test on this link: [Time | 3rd grade | Math | Khan Academy](#)

**GROUP WORK (75 min)**

In this group activity, students will choose two careers related to shipping and truck driving, explore their responsibilities, and discuss how communication and teamwork are crucial for success in these roles.

Divide the class into small groups of 3-4 students each. Provide each group with a list of the following careers related to shipping and truck driving:

- [53-3033.00 - Light Truck Drivers](#)
- [53-7121.00 - Tank Car, Truck, and Ship Loaders](#)
- [53-7062.00 - Laborers and Freight, Stock, and Material Movers, Hand](#)
- [53-3032.00 - Heavy and Tractor-Trailer Truck Drivers](#)

Instruct each group to choose any two careers from the list. Each group member should participate in the selection process.

Instruct group members to read and discuss the responsibilities and skills/abilities required for the chosen careers. Encourage them to consider how good communication and teamwork could benefit these roles. Have them take notes on this aspect.

 REFLECTION (15 minutes)

Bring the class back together as a whole and ask each group to share their findings:

Have each group present a brief overview of the responsibilities of the two careers they explored. Discuss how communication and teamwork play a crucial role in these careers. Provide examples or scenarios to illustrate this.

Lead a class discussion reflecting on what they learned during the activity.

✓ Ask students to share any insights about the importance of communication and teamwork in shipping and truck driving careers. Encourage them to consider how these soft skills can benefit not only these careers but also other aspects of life.

**INDEPENDENT WORK TIME (30 min)**

Take students through [Understanding the Different Classes of CDL Licenses: A, B, and C](#). Provide an overview of what CDL are and highlight how they are in high demand currently.

After covering the key points in the previous article, move on to [How to Get a CDL \(Commercial Driver License\) in 2023](#) and provide a brief summary on the contents on the page.



Share the two links with students and have them take time to read through and take notes (aligned to the writing standard for this lesson) .

Have a few volunteers share their notes format and content.

**Lower Level**

Provide a template for note-taking to help students categorize the information they read.

**Higher Level**

Encourage students to find more resources on where they can apply for a CDL in their county, what the costs/ wait time are, and where they can schedule practice drives.

**WRAP-UP & REFLECTION (15 min)**

Take time to have each student share their experience learning about the different clusters.

Distribute exit slips to students.

Ask for a few volunteers to share their reflections.

Collect and review the answers.

## Teamwork & Communication

**Directions:**

- Read the passage below.

In the transportation, distribution and logistics cluster, effective teamwork and communication are indispensable. Four distinct career paths in the shipping and truck driving pathway - Dock Workers, Tank Car Loaders, Light Truck Drivers, and Heavy & Tractor-Trailer Truck Drivers - showcase the significance of these traits.

Dock Workers, tasked with handling cargo on ships, rely on non-verbal signals and coordination to efficiently load and unload materials. This team effort ensures goods flow seamlessly in the bustling docks.

Tank Car Loaders deal with hazardous materials. They work closely as a team to seal valves securely, preventing leaks, and communicate clearly with supervisors. This communication ensures the safe transportation of materials.

Light Truck Drivers, delivering packages, communicate regularly with customers, providing updates on delivery status. They collaborate with dispatchers to optimize routes, guaranteeing punctual deliveries.

Lastly, Heavy & Tractor-Trailer Truck Drivers navigate long journeys. They communicate diligently to report load-related documentation, inspect cargo, and collaborate with mechanics to maintain their vehicles for safe long hauls.

In these careers, communication and teamwork are the backbone of success, facilitating safe and timely cargo transport from docks to highways.

## Reflection Exit Slip

In one sentence, describe what you learned in this lesson.

Today, I learned \_\_\_\_\_.

Is one of the careers discussed today of interest to you? Why or why not?

I liked / did not like \_\_\_\_\_ career because \_\_\_\_\_

\_\_\_\_\_.

Is there anything you still need help understanding?

What's one question you have?

Circle the emoji that shows how you feel about your mastery of content in this lesson.



Happy



Smart



Confused



Sad



Angry