Description of the Artifact

In this lesson, students explored the Transportation, Distribution, and Logistics (TDL) career cluster through a structured, collaborative reading and synthesis activity that culminated in a four-square group poster. Students engaged in a *multiple-reads* strategy, where each group member had a defined role (for example, reading bolded text, italicized text, etc) to ensure shared responsibility and access to the content. Across three purposeful reads, students identified unfamiliar vocabulary, extracted definitions of key terms, and analyzed examples of major TDL career areas. Using this information, student teams created a collaborative poster that included a clear definition of TDL, visual representations of each career area, example jobs, and descriptive words that captured the purpose of each sector. The final poster served as a synthesis task requiring students to combine reading comprehension, discussion, and visual organization into a shared product .

Reflection on the Artifact

This activity intentionally incorporates multiple Common High Yielding Scaffolds to support a wide range of learners, including students with IEPs, 504 plans, and English language learners. Scaffolds included chunked text through multiple reads, clearly defined student roles, visual supports, sentence-level expectations within the poster template, and collaborative grouping to promote peer support. Students were not expected to process all information independently; instead, the structured reading roles and guided poster framework reduced cognitive load while maintaining rigor. Student work samples demonstrate that these scaffolds enabled learners to accurately define concepts, identify examples, and apply understanding in a visual format.

Exploring the Transportation, Distribution, and Logistics

The Transportation, Distribution, and Logistics (TDL) cluster is an important part of our economy. It is all about moving people and things from one place to another quickly, safely, and at a low cost. This industry has many jobs that help transport goods and services, which we need in our daily lives.

Transportation means moving goods, like when a truck carries toys from a factory to a store.

Distribution is about getting those goods to different places, like when a warehouse sends toys to many stores in different cities so that more children can buy them.

Finally, logistics is the planning and managing of how these processes work together. For example, deciding which truck will deliver the toys and when to make sure they arrive on time. A logistics manager might plan the best routes for trucks to take to ensure the toys are delivered quickly and safely.

What Is Transportation, Distribution, and Logistics?

In the TDL cluster, workers focus on several key areas:

Transportation Systems: These systems can include airplanes, trains, ships, and trucks. Each of these ways to transport has its own purpose and benefits. For example, airplanes are fast and can go long distances quickly, while trains are good for moving a lot of goods over land.

Planning and Operation: Workers in this field plan how to move materials efficiently. They create schedules, routes, and methods for transporting goods. This planning helps make sure that products reach their destinations on time and in good condition. For example, logistic engineers, route planners and supply chain managers work in this field.

Repair and Maintenance: Equipment used in transportation, like trucks and airplanes, need regular maintenance and repair. Skilled workers make sure that all machines are safe and working well. Aircraft mechanics, automotive technicians and railroad machinists work in this field.

Storage Solutions: Once goods arrive at a location, they often need to be stored before being delivered to the final destination. Workers in this area manage warehouses and storage facilities, keeping track of inventory and making sure that products are stored safely. Forklift operators and warehouse managers work in this field.

Amazon's Influence on TDL

Amazon has changed the way transportation and logistics work a lot. With its focus on fast delivery, Amazon has pushed companies to improve their shipping methods. The introduction of same-day and next-day delivery has set new standards in the industry.

Amazon has also spent a lot of money on its logistics network, creating fulfillment centers and using advanced technology. Because of this, many other companies have started to do the same things to keep up with what customers want. This has increased the need for workers in the TDL sector, especially in areas like warehouse management, logistics coordination, and transportation planning.

Exploring the Transportation, Distribution, and Logistics

The Transportation, Distribution, and Logistics (TDL) cluster is an important part of our economy. *It is all about moving people and things from one place to another* quickly, safely, and at a low cost. This industry has many jobs that help transport goods and services, which we need in our daily lives.

Transportation means moving goods, *like when a truck carries toys from a factory to a store*.

Distribution is about getting those goods to different places, like when a warehouse sends toys to many stores in different cities so that more children can buy them.

Finally, logistics is the planning and managing of how these processes work together. *For example, deciding which truck will deliver the toys and when to make sure they arrive on time.* A logistics manager might plan the best routes for trucks to take to ensure the toys are delivered quickly and safely.

What Is Transportation, Distribution, and Logistics?

In the TDL cluster, workers focus on several key areas:

Transportation Systems: These systems can include airplanes, trains, ships, and trucks. Each of these ways to transport has its own purpose and benefits. For example, airplanes are fast and can go long distances quickly, **while trains are good for moving a lot of goods over land.**

Planning and Operation: Workers in this field plan how to move materials efficiently. They create schedules, routes, and methods for transporting goods. This planning helps make sure that products reach their destinations **on time and in good condition.** *For example, logistic engineers,* route planners **and supply chain managers work in this field.**

Repair and Maintenance: Equipment used in transportation, like trucks and airplanes, *need regular maintenance and repair.* Skilled workers make sure that all machines are safe and working well. **Aircraft mechanics**, automotive technicians and railroad machinists *work in this field*.

Storage Solutions: **Once goods arrive at a location**, *they often need to be stored before being delivered to the final destination.* Workers in this area manage warehouses and storage facilities, keeping track of inventory and making sure that products are stored safely. **Forklift operators and** *warehouse managers work in this field.*

Amazon's Influence on TDL

Amazon has changed the way transportation and logistics work a lot. **With its focus on fast delivery**, Amazon has pushed companies to improve their shipping methods. The introduction of same-day and next-day delivery **has set new standards in the industry.**

Amazon has also spent a lot of money on its logistics network, *creating fulfillment centers* and using advanced technology. **Because of this, many other companies have started to do the same things** to keep up with what customers want. *This has increased the need* for workers in the TDL sector, **especially in areas like warehouse management**, logistics coordination, and transportation planning.

First Read

Read for unknown words and circle them

Second Read

Read for definition of

Transportation

Distribution

Logistics

****Now do the top box on the assignment**

Third Read

Read for examples of

Transportation Systems

Planning and Operation

Repair and Maintenance

Storage Solutions

****Now do the bottom boxes on the assignment**

PLAN for COLLABORATIVE POSTER

PICTURE OF EACH CAREER AREA

EXAMPLE OF A JOB

ONE WORD TO DESCRIBE EACH CAREER AREA

DEFINITION OF TDL

DEFINITION FOR Transportation, distribution and logistics	
Transportation systems (picture, example of job, and 3 words)	Planning and Operations (picture, example of job, and 3 words) Organized, data, planning Shipping manager 
Repair and Maintenance (picture, example of job, and 3 words)	Storage Solutions (picture, example of job, and 3 words)

Definición de transporte, distribución y logística

Definición de transporte, ejemplo, 3 palabras, imagen

Definición de operaciones, ejemplo, 3 palabras, imagen

Definición de reparación y mantenimiento, ejemplo, 3 palabras, imagen

Definición de soluciones de almacenamiento, ejemplo, 3 palabras, imagen