



TRANSPORTATION, DISTRIBUTION AND LOGISTICS CLUSTER

LESSON 1

Lesson Plan Title: Exploring Transportation		Instructor:
Suggested Total Time for Lesson (minutes): 90 minutes (2 days)		
Content Focus - What Will Students Learn? (Content Skill Sets)		
Students will list, discuss, and demonstrate knowledge of the most common modes of transportation, identifying the most efficient ways to deliver freight. (Leading to Culminating Event for Transportation, Distribution and Logistics- Power and Energy Rubber Band Car Project)		
0976.TR.2215. Global Logistics and Supply Chain Management (Advanced Career)		
Materials and Resources- What do you need to assemble and prepare before the lesson?		
Materials: <ul style="list-style-type: none"> • Grid Paper • Drawing paper • Copies of Handouts 		Resources: <ul style="list-style-type: none"> • https://www.youtube.com/watch?v=w76uYW-38A0 Optional: <ul style="list-style-type: none"> • <i>World Map</i> • <i>US Map</i> • Digital Concept Mapping website (such as: www.visme.co)
Lesson Outline: What learning activities will your students do?		
Time	Sequence/Description of Learning Activity	
15 minutes	<p>Get Started/Explain: Ask students and draw a concept map: "How do we get goods from one place to another?"</p> <p>Concept Map Example</p> <pre> graph TD A[Modes of Transportation] --- B[Land] A --- C[Maritime] A --- D[Air] A --- E[Pipeline] B --- F[Rail] B --- G[Road] </pre> <p>(Created at www.visme.co)</p> <p>Explain modes of transportation, show video (https://www.youtube.com/watch?v=w76uYW-38A0).</p> <p>Provide a scenario to students that involves different forms of freight delivery and ask students to develop their own scenario on the most efficient way to deliver the freight.</p>	
30 minutes	<p>Discover/Engage/Practice: Divide students into small groups for the exercises. They will be asked to write their scenario, draw maps illustrating the mode of transportation to different locations and a picture of their favorite mode of transportation. (Maps may be provided.)</p> <ul style="list-style-type: none"> • Your local Walmart needs 2 pallets of bananas delivered in 2 weeks. What is the most cost-effective and efficient way to deliver this freight? Ask the students to plan delivery from Indonesia and from Florida to Charleston, WV. • You are an oil broker, and you need to transport oil from your oil refinery in Dallas, Texas to Charleston, West Virginia for the next 20 years? What modes of transportation should be considered, and why? • You have a new job that starts this Summer. You will need to travel to Hollywood, California, then to Dallas Texas and then to Argon Spain. Discuss the different types of transportation needs for your most efficient mode of travel, i.e., time and money. 	

15 minutes

Check for Understanding/Summarize/Close:

Students will share their results and explain why they chose the different modes of transportation.

Modifications, Support, and Extensions (for those students with IEP)

Students may be paired with other students who can assist in completing the exercise. Maps may be provided for students requiring them.

WORLD MAP



World Map

United States of America



US Map

Reflection- Did the students learn the content outlined in the lesson focus? Why or why not?