

**PROJECT: State of Logistics 2020**

***COURSE***

Supply Chain Management I: Warehousing and Distribution

***OBJECTIVES:***

* Students will research current trends in supply chain and write an informative essay describing the trends
* Students will analyze supply chain automation and how it is providing a comparative advantage for companies

***TN STATE CTE STANDARDS:***

**Trends #21:**

Using websites and journals from professional organizations related to transportation, distribution, and logistics, identify five trends that are impacting local, regional, national, and international supply chains. Trends could include such factors as rising fuel costs, movements toward fully automated warehouses, and greening the supply chain. Summarize research in an informative essay that includes: a. description of the trend and explanation of how it affects the supply chain, b. examples of how various businesses are responding to the trend, and c. an outline of the information that must be considered before a business implements any change, including a formal cost-benefit analysis.

**Trends #23:**

Analyze automation processes that have replaced the work of laborers within nodes of supply chain channels. Compile an exhaustive list of the costs and benefits associated with the use of human laborers versus automation systems, specifically in warehouses. Debate the ramifications of each to efficiency, productivity, and local economic indicators. Determine when it becomes advantageous to replace laborers with machines.

***DUE DATE:* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

***GRADE*:**

Project will be graded using the “Informative Essay” Rubric and will be worth 100 points

***Required Resource***:

*State of Logistics 2020* – <bkavass.weebly.com>

***Pre-Project Directions:***

* Watch the video – The Future of Supply Chain - <https://www.youtube.com/watch?v=wwjzxHI92Eg>
* Reading and Questions: *The Future of Logistics is Racing Towards the Last Mile*
* Reading: *How Supply Chain Automation is Changing the Landscape in 2020*
* Reading: *State of Logistics 2020: Managing the Supply Chain in a Changed World*

***Project Directions:***

* Identify 5 trends that are impacting local, regional, national, and international supply chains
* Write an informative essay that includes the following:
  + Description of 5 trends
  + Explanation of how trends affect the supply chain
  + Examples of how businesses are responding to the trend
  + Outline of the info that must be considered before a business implements any changes to remain competitive (include a formal cost-benefit analysis)
* Include research on automation processes in the supply chain and how this may impact laborers.
  + Analyze the costs and benefits of automation
  + Debate the outcome of automation to efficiency, productivity, and local economic indicators (hint: look at new Amazon automated warehouse being built in the Raleigh area)
  + Determine when it becomes advantageous to replace laborers with machines

***Project Format:***

* Project must be typed using MS Word 2016
* Project must include a cover page and page numbers
* All sources must be cited using APA style (www.citationmachine.net)