

**LEAN, GREEN, AND SUSTAINABLE**

**UNIT INSTRUCTIONS**

**Course**

Foundations of Supply Chain Management

**Objectives**

* Students will define lean, green, and sustainable as related to supply chains and explore examples of ways they are implemented in the supply chain
* Students will examine the concept of Corporate Social Responsibility to determine how it creates shared value
* Students will analyze the various types of waste and how Lean Six Sigma can decrease waste and subsequently an organization’s costs

**TN State CTE Standards**

**Supply Chain Functions #7**:

Research the following terms as related to supply chains: *lean, green, and sustainable*. Define and describe each term and give examples of ways they are implemented in the supply chain.

**Essential Questions**

* What is the difference between lean and green?
* Why is the concept of sustainability important to a company’s supply chain?
* How can a sustainable supply chain aid in future business growth and development?
* What is your carbon footprint? How can you make a difference in developing a sustainable future for the planet?

**Duration**

2 weeks

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| ACTIVITIES | | | | |
| **Assignment** | **Due**  **Date** | **Date Completed** | **Grade** |
| Lean, Green, and Sustainable Learning Packet |  |  |  |
| Glossary: Lean, Green, and Sustainable |  |  |  |
| Activity: How Does This Support the Triple Bottom Line? |  |  |  |
| Activity: Carbon Footprint Worksheet |  |  |  |
| Project: Green Manufacturing and Sustainability at Frito Lay |  |  |  |
| Project: Journey 2050 |  |  |  |
| Activity: Lean Six Sigma Games |  |  |  |
| Case Study: Buckeye Technologies |  |  |  |