**Capstone Project: Personal supply chain**

Objective: Research and outline the supply chain for a product used everyday

TN State CTE Standards: Case Study #22: Synthesize information from industry, scholarly, and popular media sources outlining how a top 20 retailer has used supply chain management to become one of the largest retailers in the world. Create a presentation describing how the retailer handles the following areas of its global supply chain network: a. customer service, b. distribution costing, c. distribution planning, d. information technology, e. materials and purchasing management, f. order processing systems, and g. transport and inventory management

# summary

Do you know anyone who drinks coffee? Do they mix in sugar? Do they buy it at a store and brew it at home, or do they buy it in a coffee shop? Today, it’s pretty easy to go buy coffee. However, have you ever thought about the journey that the coffee and sugar make to your local supermarket or coffee shop? Coffee and sugar grow best in tropical climates so if you live in the United States, it’s unlikely that these products were produced near you. They’ve probably traveled great distances to get to where you live. Improvements in travel and communication over the last 500 years have led to the interconnection of the four world zones. This has shrunk the time needed to bring coffee to your neighborhood. It isn’t just coffee, either. These improvements have led to an unprecedented number of products.

# guiding questions

* What are the raw materials needed for this product?
* Where are they found?
* What are the steps involved in making this product?
* Where does each step in the production take place?
* What energy is needed to produce this item? Where does that energy come from?
* What kind of transportation, if any, is needed at each stage of the production process, including getting the finished product to you?

# Prepare

* Pick an item important in daily life
* Research the raw materials needed to make this item
* Research the process needed to put the raw materials together to create a finished product
* Examine the means of transporting the product to the local market.

# project and presentation of findings

* Fill in the Personal Supply Chain worksheet to help organize your research
* Draw the supply chain for your product – include raw materials, suppliers, manufacturer, distributor, retail and end consumer
* Complete the map to show the supply chain, travel route, and steps in the production process
* When you’re done, tape your charts and maps to one of the walls in the classroom. Take some time to look at the work that your classmates have done.
* As you look at the work, answer the following questions:

• What is the most surprising discovery you made in your research?

• What is the most surprising discovery you see in the work of your classmates?

• What does this tell you about the importance of interconnection today?

# grading

Your capstone project is worth **150 points** – 100 points for the Personal Supply Chain Worksheet and Supply Chain Drawing – 50 points for your Supply Chain Map

Project will be graded based on the following rubric:

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| **PROJECT RUBRIC** | | |
| **CATEGORY** | **POSSIBLE**  **POINTS** | **POINTS**  **ASSIGNED** |
| **Research**   * Includes all information requested * Well-researched and accurate material * Clearly and orderly prepared | 60 |  |
| **Presentation**   * Includes all information requested * Presentation was clear and engaging | 30 |  |
| **Instructions**   * Followed all instructions * Turned project in on time | 10 |  |
| **Map**   * **Contains all elements requested** * **Clear and easy to read** | 50 |  |
| **TOTAL POINTS ASSIGNED:** | |  |



