

Global Logistics and Supply Chain Technology

Standards
05.05 Give examples of transportation documentation, dispatch, routing and tracking.
Objectives
The student will be able to provide a practical approach to route planning using Google Maps
Essential Questions
Why is preplanning routes so important to the optimization of operations when dealing with ground transportation?
Agenda/Lesson
<p>Day 1:</p> <p>Introduction:</p> <ul style="list-style-type: none"> • Bell Ringer: How long does it take you to get home from school? <p>Lesson:</p> <ul style="list-style-type: none"> • Individual Computer Skill Demonstration <p>Students will complete three scenarios involving route planning using Google Maps as a resource. Each scenario will get progressively more involved:</p> <ol style="list-style-type: none"> 1. You are the owner/operations manager of a small shipping company located in Lake City. You have to plan a new route servicing 5 new accounts. You must travel to these 5 cities in less than 5 hours and 30 minutes or else your contract will be voided. Leaving Lake City, you must make deliveries to: <ul style="list-style-type: none"> Perry, FL Trenton, FL Mayo, FL Valdosta, GA Macclenny, FL <p>At the end, you must return the truck to Lake City</p> <p>You must find the fastest possible route and it must be under 5 hr and 30 min.</p> 2. You are the owner/operations manager of a small shipping company located in Lake City. Having done such an efficient job, your reputation is spreading. You have picked up more accounts in Florida You must travel to these 5 cities in 22 hours or else your contract will be voided. Leaving Lake City, you must make deliveries to: <ul style="list-style-type: none"> Jacksonville, FL Orlando, FL Tampa, FL Miami, FL

Pensacola, FL

At the end, you must return the truck back to Lake City

Please the fastest possible route and it must be under 22 hours

3. It's time to go on a long trip. You are going to leave your home address and travel to the 48 state capitals in the contiguous U.S. You must find the most efficient route. You have three requirements:

You must start in Tallahassee

You must travel to each state capital

You must do it in less than 9 days

You must travel no more than 13,000 miles

The max number of locations you can go to on one map is 10, so you will have 6 separate maps to turn in. You start a new map; you must start where you left off in the previous map.

Closure:

- Exit Slip- Students will compare their routes with other students that completed the State Capitals scenario: How many different routes did you find? Which one is the most efficient in time? Which one is most efficient in mileage?

Materials

- Elmo/Projector
- Computer/Projector
- Computers
- Miscellaneous

Assessment

- Project
- Skill Performance
- Activity
- Observation