



Regional Occupational Programs
3701 E. Willow Street, Long Beach, CA 90815
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ROP TRANSPORTATION/ RAIL TECHNOLOGIES AND LOGISTICS Summer 2006

Syllabus

Congratulations, you have joined a new class that will be looking at the logistics of manufacturing and moving materials throughout the world. This five-week class will look at jobs associated with the port, rail, air and land transportation companies. You will be visiting locations each week that will give you a first hand look at the jobs that are available and look at the training needed to get these high-paying and in-demand jobs. Guest speakers and class projects will give you insight into how this transportation and logistics network operates.

Week #1. Focus – Transportation and Logistics Overview

- Day 1: Introduction, Registration, Harbor Video – Extreme Engineering
- Day 2: Introduction to Global Project, Rail History Video
- Day 3: Junior Achievement Global Marketplace
- Day 4: LBCC Field Trip Preparation – Post Secondary Programs related to Logistics/Transportation
- Day 5: Junior Achievement Global Marketplace

Week # 2, Focus – Rail Industry/ Shipping and Related Occupations

- Day 1: Rail / Shipping – Inter-modal equipment and related equipment
- Day 2: Pacific Harbor Lines/Sea Terminal Field Trip and Career Awareness
- Day 3: Rail Jobs- Training/Required Certifications and related training programs
- Day 4: Bridges.com: A Day in the Life- Real workplace situations related Rail Industry/Shipping (Railyard Master and Locomotive Engineer)
- Day 5: Build a Railroad – Differentiating between various modes of rail transportation

Week #3, Focus - Port Jobs and Cargo Logistics

- Day 1: Banana Project – Logistics of moving perishable products long distance
- Day 2: Global Positioning- How to track product movement
- Day 3: LA Harbor Tour – How products move in and out of port

Day 4: Guest Speaker – Union Pacific Railroad – Mike Faulkner

Day 5: Bridges.com Career Exploration Activity (Interest Inventory and Portfolio Development)

Week #4, Focus – Warehousing , Logistics and Drayage

Day 1: Bridges.com: A Day in the Life – Real workplace situations related Warehousing, Logistics and Drayage (Shippers/Receivers)

Day 2: Guest Speaker – Jim Gill – Cal Cartage

Day 3: Field Trip – Cal Cartage – warehousing, logistics, drayage

Day 4: Career Ladders and Internships

Day 5: Bridges.com Career Exploration Activity (Career Research)

Week #5, Focus – Looking to the Transportation-Logistics Career

Day 1: Youth Opportunity Center – Rick Gonzales – Career Preparation, Job Search Skills

Day 2: Day 5: Bridges.com- Career Exploration Activity (Research of Careers Related to Transportation/Logistics)

Day 3: Union Pacific ICTF - Mechanical Field Trip - Careers related to Inter-modal Maintenance Facility.

Day 4: A Day in the Life: Real workplace situations related to Transportation/Logistics (Logistics Manager)

Next Steps- Summary of Bridges.com activities (where to go from here?)

Day 5: Open House – Students as Transportation/Logistics Career Speakers (presentation to parents/guests)