

Logistics I

August 2014

I. COURSE DESCRIPTION

Logistics and Supply chain management are vital to the success of every organization. Job prospects for supply chain managers and logisticians are projected to grow much faster than the average for all occupations, and prospects for advancements in these fields are tremendous. For these reasons, the academic community has decided to develop a program of study for high school students.

The program adopted by Passaic County Technical Institute is being developed by New Jersey Department of Education, Office of Career and Technical Education and the Southern Regional Education Board (SREB) and Advanced Career consortium of states. It's a project based learning curriculum that not only enables the exploration and acquisition of the basics of supply chain management and global logistics, but also fosters the development of the essential problem-solving and strategic thinking skills needed for the workplace, enhances reading, writing and oral communication abilities, and the application of mathematic concepts to authentic career-based content. This course consists of:

Introduction to Logistics: This introductory course engages students in contextual problems that introduce students to the concepts of supply chains, warehouse location, contingency planning, in-sourcing and out-sourcing decisions, and expanding existing supply chains. These concepts form the basis of global logistics and supply chain management. Students will explore these concepts to learn how professionals examine options to maximize the use of resources in establishing physical networks.

(SREB)

Functional areas of logistics: Students to explore deeper understandings of the concepts they discovered in the previous course as they navigate projects on warehouse design, inventory management.

(SREB)

Accounting: Accounting is an essential aspect of every business institution and organization. As future workers, small business owners, and entrepreneurs, students who understand basic accounting principles will more knowledgeably manage their companies' financial resources.

Personal Finance: Provide a foundation of financial concepts to prepare students for financial responsibility as they transition from student to becoming financially independent adults. Skills will be developed to prepare students to be able to evaluate financial information and address money challenges as they occur.

II. Outline of course

PCTI Curriculum Unit 1 Planner

Content Area:	Logistics I	Grade	10
Unit Plan Title:	Introduction to Logistics Introduction to Accounting Personal Finance		
CCS Standards Addressed			
<ul style="list-style-type: none">• 9.4.12.P.(3).1• 9.4.12.P.(3).2• 9.4.12.P.(3).3• 9.4.12.F.(1).1• 9.4.12.F.(1).2• 9.4.12.F.(1).4• 9.4.12A.23• 9.4.12A.24• 9.4.12A.25• 9.4.12A.26• 9.2.12.A.8• 9.2.12.A.10• 9-10.RST.1• 9-10.RST.2• 9-10.RST.3• 9-10.RST.7• 9-10.WHST.4• 9-10.WHST.6• 9-10.WHST.7			
Essential Questions			
<ul style="list-style-type: none">• What is supply chain and how can we reduce shortages in a supply chain?• How can we determine the locations/sites for distribution centers that will provide the best opportunities for a company's success?• How to successfully and accurately complete the accounting cycle of a service business operating as a sole proprietorship?• What factors affect income?• How can we use technology and computer applications to access, manage, evaluate, and synthesize information in order to solve problems individually and collaboratively to create and communicate knowledge?			
Anchor Text			
<ul style="list-style-type: none">• SREB Project Based Learning Curriculum.• <u>Century 21 Accounting 9E, General Journal</u> Gilbertson, Lehman, South-Western Cengage Learning 2008.			

- Personal Finance, Margaret Magnarelli, An Amsco Publication 2011.

Informational Texts

- “Sens. Menendez, Booker Urge Feds to Expedite Shipment of Road Salt to NJ” press release.
 - http://www.booker.senate.gov/?p=press_release&id=26
- "Reducing the Impact of Disruptions to the Supply Chain".
 - <http://www.sas.com/resources/asset/sascom.pdf>
- International Trade and Freight Distribution.
 - <http://people.hofstra.edu/geotrans/eng/ch5en/ch5menu.html>
- Supply chain disruptions force more delays in Japan.
 - <http://www.reuters.com/article/2011/03/24/us-japan-supplychain-idUSTRE72N18620110324>
- Why There Is No Lime Industry in America Anymore, By Katy Steinmetz April 20, 2014.
 - <http://time.com/#66053/america-lime-industry-shortage/>
- Tips For Providing Warm and Cool Feedback.
 - http://wnyeducationassociates.wikispaces.com/file/view/Peer_Review.pdf
- Transport and Location by Dr. Jean-Paul Rodriguez.
 - <http://people.hofstra.edu/geotrans/eng/ch2en/conc2en/ch2c4en.html>
- Accounting in the real world – Chapter Readings.

Career and Life Skills

- Analyze research information and present recommendations using various communication skills.
- Recognize the impact that supply chain plays in the success of a business.
- Evaluate the role of distribution centers and the importance of their location in the supply chain.
- Demonstrate creative, critical thinking, collaboration and problem solving skills during structured learning experiences.
- Analyze, record, summarize, and interpret financial information for a service business operating as a sole proprietorship.
- Develop job application skills.
- Use technology and computer applications to record, analyze, evaluate, and communicate information.

Suggested Writing Assessments

- You are the procurement manager for your organization. One of the commodities on which your organization relies is subject to complications in the current market. Write a proposal in which you analyze the supply chain of the commodity, identify the problem,

and propose a solution. Support your position with evidence from your research. (SREB Project Based Learning Curriculum).

- You are a site selection consultant who has been hired by a consumer goods company. This company would like to create a presence in the United States. Your task is to identify suitable distribution center locations in the US that will allow this producer to establish an efficient network in this country. After researching trade journals and other informational texts on distribution center locations as well as participating in enabling learning activities intended to assist in researching and analyzing potential sites for distribution centers, write a proposal in which you argue for the ideal location for the company's expansion. (SREB Project Based Learning Curriculum).
- Use a memo format to write a brief summary of your experience in completing this project. Address the following points. (SREB Project Based Learning Curriculum): Lessons learned from the project, the best part of the project, the hardest part of the project, and potential pitfalls for similar projects.

Resources

- "Cabbage Patch Kids Craze!" (1983) <https://www.youtube.com/watch?v=9sOIIvx7Pvs>
- "Gasoline Shortages After Hurricane Sandy" <http://abcnews.go.com/WNT/video/gasoline-shortages-hurricane-sandy-17639305>
- "Brutal Winter Creates Salt Shortage in New Jersey YouTube Video (2:41)" <http://newyork.cbslocal.com/video/9855208-brutal-winter-creates-salt-shortage-in-new-jersey/>
- Glossary of Supply Chain Terms, Inbound Logistics <http://www.inboundlogistics.com/cms/logistics-glossary/#L>
- The Purdue OWL provides a basic citation chart at this link: https://owl.english.purdue.edu/media/pdf/20110928111055_949.pdf
- How to find citation information on websites <http://www.screencast.com/t/RoSyeuVhnfa>
- How to Give Constructive Feedback <http://www.youtube.com/watch?v=WmLZyB99ITA>
- "The 10 Busiest Airports in the World" <https://www.youtube.com/watch?v=yI9HnlSTwJ4> and <http://www.guinnessworldrecords.com/Search.aspx?q=busiest+airport>
- The Silk Road and Ancient Trade: Crash Course World History #9 YouTube Video (10:31) <https://www.youtube.com/watch?v=vfe-eNq-Qyg>
- The Geography of Transport Systems: <http://people.hofstra.edu/geotrans/index.html>

Suggested Time Frame:

10 Weeks

PCTI Curriculum Unit 2 Planner

Content Area:	Logistics I	Grade	10
Unit Plan Title:	Functional Areas in Logistics Introduction to Accounting Personal Finance		
CCS Standards Addressed			
<ul style="list-style-type: none"> • 9.4.12.D.(6).5 • 9.4.12.P.(3).1 • 9.4.12.P.(3).2 • 9.4.12.P.(3).3 • 9.4.12.F.(1) • 9.4.12.F.(1) • 9.4.12A.23 • 9.4.12A.26 • 9.2.12.B.7 • 9.2.12.B.10 • 9-10.RST.1 • 9-10.RST.2 • 9-10.RST.3 • 9-10.RST.7 • 9-10.WHST.4 • 9-10.WHST.6 • 9-10.WHST.8 			
Essential Questions			
<ul style="list-style-type: none"> • Why do we need to manage inventory? • How does a business design the most efficient warehouse to meet the needs of a customer? • What money management skills and tools are necessary for good financial planning? • How to successfully and accurately complete the accounting cycle of a service business operating as a sole proprietorship? • How can we use technology and computer applications to access, manage, evaluate, and synthesize information in order to solve problems individually and collaboratively to create and communicate knowledge? 			
Anchor Text			
<ul style="list-style-type: none"> • SREB Project Based Learning Curriculum. • <u>Century 21 Accounting 9E, General Journal</u> Gilbertson, Lehman, South-Western Cengage Learning 2008. • <u>Personal Finance</u>, Margaret Magnarelli, An Amsco Publication 2011. 			

Informational Texts

- Five Steps to Painless Inventory Management-
<http://www.entrepreneur.com/article/220631>
- Inventory Basics - All About Inventory Management- [Pages » Inventory Basics » Inventory Management](#)
- First Person: Inventory Management Techniques to Increase Your Small Business Profits - Blog entry By John R. Aberle June 26, 2013 7:47 PM URL:
<http://finance.yahoo.com/news/first-person-inventory-management-techniques-increase-small-business-234700416.html>
- Inbound Logistics “Designing the Perfect Warehouse” by Lisa Harrington.
- “Warehousing” by Bowersox, D.J., Closs, Cooper, M.B.
<http://answers.mheducation.com/business/management/supply-chain-logistics-management/warehousing>
- “Warehouse” by Ed Acker.
- WarehouseIQ.com
- [The Distribution Group.](http://TheDistributionGroup.com)
- Reducing the impact of disruptions to supply chain shortages.
<http://www.sas.com/resources/asset/sascom.pdf>
- Finding the best site for your next distribution center <http://mhlnews.com/facilities-management/finding-best-site-your-next-distribution-center>
- Inventory Basics - All About Inventory Management.
<http://www.clearlyinventory.com/inventory-basics>
- Amazon ramps up a 13.9 billion warehouse building spree.
<http://www.bloomberg.com/news/2013-08-20/amazon-ramps-up-13-9-billion-warehouse-building-spree.html>

Career and Life Skills

- Explore the role forecasting has on determining the amount of inventory a business keeps on hand.
- Examine and then create documents related to materials management and procurement.
- Evaluate the links of all logistics activities to the designing of a warehouse.
- Identify different physical areas in their warehouse design for various operational requirements.
- Analyze research information and present recommendations using various communication techniques.
- Demonstrate creative, critical thinking, collaboration and problem solving skills during structured learning experiences.
- Analyze, record, summarize, and interpret financial information for a service business operating as a sole proprietorship.

- Develop money management skills.
- Use computer applications to record, analyze, evaluate, and communicate information.

Suggested Writing Assessments

- You were hired as the inventory manager for a growing company, and you're asked to work with your team to develop an inventory management system to meet the company's needs. After researching trade journals and informational texts on inventory management systems and participating in enabling learning activities intended to assist you in designing and testing a workable inventory management system, you and your team will write a Standard Operating Procedure for your redesigned inventory work-flow. You will support your plan with evidence from your research and from conclusions you draw from enabling learning activities.
- Students write a proposal in which they argue for their warehouse design based on the texts they have read.
- Chapter analysis of case studies

Resources

- “What is Inventory Optimization all about?”
<http://www.supplychainbrain.com/content/nc/videos/2013-videos/gartner-2013/what-is-inventory-optimization-all-about/>
- “Not Your Father’s SOPs” <http://www.youtube.com/watch?v=DyPZcYVosz4>
- diaper.com videos:
before: <https://www.youtube.com/watch?v=g87TmuB4EPo>
after: <https://www.youtube.com/watch?v=A6NK0zexl4s>
- The Purdue OWL provides a basic citation chart at this link:
https://owl.english.purdue.edu/media/pdf/20110928111055_949.pdf
- How to find citation information on websites: <http://www.screencast.com/t/RoSyeuVhnfa>
- How to Give Constructive Feedback <http://www.youtube.com/watch?v=WmLZyB99ITA>
- Conducting a Roundtable Discussion
http://isites.harvard.edu/fs/docs/icb.topic734048.files/SRC_roundtable_training_2010.ppt

Suggested Time Frame:

10 Weeks

PCTI Curriculum Unit 3 Planner

Content Area:	Logistics I	Grade	10
Unit Plan Title:	Risk Management Accounting Cycle Personal Finance		
CCS Standards Addressed			
<ul style="list-style-type: none"> • 9.4.12.P.16 • 9.4.12.P.18 • 9.4.12.P.19 • 9.4.12.P.20 • 9.4.12.P.21 • 9.4.12.F.(1) • 9.4.12.F.(1).4 • 9.4.12A.23 • 9.4.12A.26 • 9.2.12.D.1 • 9.2.12.D.6 • 9-10.RST.1 • 9-10.RST.2 • 9-10.RST.3; • 9-10.RST.7 • 9-10.WHST.4 • 9-10.WHST.6 • 9-10.WHST.8 			
Essential Questions			
<ul style="list-style-type: none"> • How can we manage risk to ensure minimal interruptions in our logistic operations? • What components make up a contingency plan? • How to successfully and accurately complete the accounting cycle of a service business operating as a sole proprietorship? • What investing options are available and what are the risks and reward of each option? • How can we use technology and computer applications to access, manage, evaluate, and synthesize information in order to solve problems individually and collaboratively to create and communicate knowledge? 			
Anchor Text			
<ul style="list-style-type: none"> • SREB Project Based Learning Curriculum • <u>Century 21 Accounting 9E, General Journal</u> Gilbertson, Lehman, South-Western Cengage Learning 2008 			
Informational Texts			
<ul style="list-style-type: none"> • “Chemical spill shuts off water to 300K in West Virginia” http://www.cbsnews.com/news/some-people-treated-for-water-related-issues-in-w-va/ 			

- The Importance of Emergency Contingency Plans By: James Lee Witt on August 07, 2013 <http://www.emergencymgmt.com/disaster/Emergency-Contingency-Plans-Opinion.html>
- Making it through the storm <http://www.economist.com/news/business/21565975-hurricane-sandy-was-another-test-how-well-businesses-can-keep-going-when-disaster>
- Long-Term Recovery Planning: What You Need to Know By: Adam Stone on May 15, 2013. <http://www.emergencymgmt.com/disaster/Developing-Long-Term-Recovery-Plan.html>

Career and Life Skills

- Students will plan on how to mitigate the disruption of fulfilling customer orders in the event of an emergency.
- Students will plan how customers will be informed of the companies' status resulting from an emergency.
- Students will create procedures for probable emergency situations.
- Analyze research information and present recommendations using various communication techniques.
- Demonstrate creative, critical thinking, collaboration and problem solving skills during structured learning experiences.
- Analyze, record, summarize, and interpret financial information for a service business operating as a sole proprietorship.
- Describe different investing options and recognize the risks and rewards of each option.
- Use technology and computer applications to access, manage, evaluate, and synthesize information in order to solve problems individually and collaboratively to create and communicate knowledge.

Suggested Writing Assessments

- After researching informational texts on contingency planning, emergency preparedness, and natural disasters as well as participating in enabling learning activities intended to assist you in researching and analyzing various responses to unforeseen calamity, write a contingency plan for your company in which you argue the need to address a potential disaster. Your plan will be supported by information from research and conclusions drawn from enabling learning activities.
- Chapter analysis of case studies.

Resources

- US Small Business Administration (SBA.gov) provides resources for general preparedness and specific disaster preparation. <http://www.sba.gov/content/disaster-preparedness>
- FEMA (Federal Emergency Management Agency). <http://www.fema.gov/>

- “Floods reach Bangkok airport, force evacuations” October 24, 2011
<https://www.youtube.com/watch?v=faDb27I75Qs>
- The Purdue OWL provides a basic citation chart at this link:
https://owl.english.purdue.edu/media/pdf/20110928111055_949.pdf
- How to find citation information on websites: <http://www.screencast.com/t/RoSyeuVhnfa>
- How to Give Constructive Feedback <http://www.youtube.com/watch?v=WmLZyB99ITA>
- Conducting a Roundtable Discussion.
http://isites.harvard.edu/fs/docs/icb.topic734048.files/SRC_roundtable_training_2010.ppt

Suggested Time Frame:

10 Weeks

PCTI Curriculum Unit 4 Planner

Content Area:	Logistics I	Grade	10
Unit Plan Title:	Insourcing vs. Outsourcing Completing the Accounting Cycle Personal Finance:		
CCS Standards Addressed			
<ul style="list-style-type: none"> • 9.4.12.P.(2).1 • 9.4.12.P.(2).2 • 9.4.12.F.(1).1 • 9.4.12.F.(1).4 • 9.4.12.L.(3).23 • 9.4.12A.23 • 9.4.12A.26 • 9.2.12.G.4 • 9-10.RST.1 • 9-10.RST.2 • 9-10.RST.3 • 9-10.RST.7 • 9-10.WHST.4 • 9-10.WHST.6 • 9-10.WHST.8 			
Essential Questions			
<ul style="list-style-type: none"> • How can we determine whether to insource or outsource a product or process? • What are the different types of credit and how to avoid credit problems? • What is risk management and how can insurance protect your personal assets? • How to successfully and accurately complete the accounting cycle of a service business operating as a sole proprietorship? • How can we use technology and computer applications to access, manage, evaluate, and synthesize information in order to solve problems individually and collaboratively to create and communicate knowledge? 			
Anchor Text			
<ul style="list-style-type: none"> • SREB Project Based Learning Curriculum. • <u>Century 21 Accounting 9E, General Journal</u> Gilbertson, Lehman, South-Western Cengage Learning 2008. 			
Informational Texts			
<ul style="list-style-type: none"> • “Insourcing at GE: The Real Story” http://blogs.hbr.org/2013/07/insourcing-at-ge-the-real-stor/ • A Toy Maker Comes Home to U.S.A. --- K'Nex Brings Production of Snap-Together Building Pieces Back From China • Hagerty, James R. Wall Street Journal, Eastern edition [New York, N.Y] 11 Mar 2013: B.1. • Roll out a successful in-store bakery. <i>Jan 24, 2011</i> Lora Shinn / <i>Natural Foods Merchandiser</i> 			

Career and Life Skills

- Develop an understanding of the business considerations that will impact their plans for sourcing.
- Analyze research information and present recommendations using various communication techniques.
- Demonstrate creative, critical thinking, collaboration and problem solving skills during structured learning experiences.
- Analyze, record, summarize, and interpret financial information for a service business operating as a sole proprietorship.
- Compute the cost of credit and resolve credit problems.
- Use computer applications to record, analyze, evaluate, and communicate information.
- Assess financial risk and develop and risk management plan.

Suggested Writing Assessments

- You are the operations manager at a mid-size grocery store that is experiencing a growing demand for freshly baked goods. After researching trade journals and other informational texts on insourcing and outsourcing materials and services and participating in enabling learning activities intended to assist you in researching and analyzing potential solutions, write a proposal in which you argue for the best solution for procuring baked goods to meet customer demand. Support your position with evidence from the texts and from conclusions you draw from enabling learning activities.
- Chapter analysis of case studies.
- Career Project –research and prepare a report.

Resources

- US Small Business Administration (SBA.gov) provides resources for general preparedness and specific disaster preparation. <http://www.sba.gov/content/disaster-preparedness>
- FEMA (Federal Emergency Management Agency) <http://www.fema.gov/>
- “Floods reach Bangkok airport, force evacuations” October 24, 2011
<https://www.youtube.com/watch?v=faDb27175Qs>
- “Make It: Manufacturing and Operations” video <https://www.youtube.com/watch?v=ncli94xodm8>
- “US Insourcing Boom” Video (5:42) <http://video.cnbc.com/gallery/?video=3000133795>
- The Purdue OWL provides a basic citation chart at this link:
https://owl.english.purdue.edu/media/pdf/20110928111055_949.pdf
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- Conducting a Roundtable Discussion.
http://isites.harvard.edu/fs/docs/icb.topic734048.files/SRC_roundtable_training_2010.ppt

Suggested Time Frame:

10 weeks

III. Methods of Student Evaluation (including assessment and evaluation)

To determine whether the learning objectives have been met, a combination of formal and informal assessment methods is used.

Formal Assessment:

- Multiple choice exams.
- Calculations.
- Essays.
- Short-answer or problem solving exam.
- Research paper.
- Performance based.
- Oral presentations.
- Comprehensive portfolio.
- Projects.

Informal Assessment

- Teacher observations.
- Questioning.
- Do Now and Exit Slip tickets.
- Peer teaching.
- 5 Minute Quiz.
- Notebook/Journal reflections.

IV. Instructional Strategies Based on Instructional Goals (Applying Universal Design for Learning)

A combination of various instructional strategies is used based on students learning styles and the subject content. Examples of those strategies are:

- Collaborating with teammates to complete projects.
- Discussing text materials, newspaper articles, supplementary materials, PowerPoint presentations and videos.
- Reading materials from a variety of reliable sources.
- Interviewing industry experts.
- Role playing authentic situations: business meeting, job interview, customer complaints, etc...
- Watching and responding to videos and presentations.
- Brainstorming to solve critical issues in the project.
- Journal writing.

- Free writing in response to written, visual materials and oral presentations.
- Researching current economic, finance, and marketing events.
- Researching solutions to authentic problems.
- Debating business ethics crisis.
- Providing peer with constructive feedback.

V. Scope and Sequence

SKILLS TO BE LEARNED (Introduction to Logistics)	I = Introduce D= Develop in depth R= Reinforce M = Master
Define and evaluate supply chains. Brainstorm plans to avoid supply chain disruptions.	D, R
Determine the locations/sites for distribution centers that will provide the best opportunities for a company's success.	D, R
Complete the various steps of the accounting cycle and explain the purpose of each step and the accounting system.	I
Define the generally accepted accounting principles and apply them appropriate to the structure of the business.	I
Demonstrate an understanding of the fundamental accounting equation.	I
Classify items as either current or long-term assets, liabilities, or owner's equity and identify their normal balance position.	I
Describe the purposes of the revenue, expense, and drawing accounts and illustrate the effects on capital/owner's equity.	I
Identify the basics of Personal Finances: Analyze interest rates, learn how they affect the time value of money Calculate net worth to assess one's current financial situation Differentiate between assets and liabilities Make smart financial decisions and set achievable goals.	D,R,M
Analyze factors that affect earned income Understand how to investigate careers and apply for work Learn the types of benefits offered in a full-time job Calculate taxes on income, and consider tax forms and procedures	D,R,M
Gain an understanding of how inventory is managed in a medium sized business	I
Gain understanding of the warehousing process and the variety of options and considerations for efficient warehouse design.	I

Analyze business transactions using source documents and their effect on the accounting equation. Journalize the transactions using various journal formats. Post transactions to the general and subsidiary ledgers.	I
Explain double-entry system of accounting. Apply debit and credit rules when analyzing business transactions.	I
Develop Critical consumer characteristics. Determine the factors that determine buying decisions. Explain a research-based approach to buying goods and services. Identify strategies for making wise buying decisions. Identify ways to solve consumer problems. Describe consumer right and responsibilities.	D,R,M
Create a financial budget. Manage a budget, and learn how to make smart spending decisions. Find out what types of accounts banks offer. Understand how to balance a checking account. Learn about identity theft and protection.	D,R,M
Describe risk management strategies to ensure minimal interruptions in logistic operations.	I
Explore multiple factors associated with procuring goods. Analyze the advantages and disadvantages of insourcing and outsourcing.	I
Prepare all sections of a worksheet including a trial balance, all appropriate adjustments (accruals and deferrals), the income statement, the balance sheet, and the post-closing trial balance.	I
Perform all of the functions of the closing process, journalize and post the closing entries, prepare the post-closing trial balance, and prepare all of the appropriate financial statements and reports.	I
Prepare bank reconciliations, establish, maintain, replenish petty cash funds, and maintain a payroll register.	I
Investing for the future – Identify investment options and risks and rewards of investing	D,R,M

Using Credit Wisely. Analyze costs and consequences of using credit.	I
Manage risk. Describe the importance of insurance in managing risk	I

VI. Logistics I Student Proficiencies Handout

Course Description

Logistics and Supply chain management are vital to the success of every organization's job prospects for supply chain managers and logisticians are projected to grow much faster than the average for all occupations, and prospects for advancements in these fields are tremendous. For these reasons, the academic community has decided to develop a program of study for high school students.

The program adopted by Passaic County Technical Institute is being developed by New Jersey Department of Education, Office of Career and Technical Education and the Southern Regional Education Board (SREB) and Advanced Career consortium of states. It's a project-based learning curriculum that not only enables the exploration and acquisition of the basics of supply chain management and global logistics, but also fosters the development of the essential problem-solving and strategic thinking skills needed for the workplace, enhances reading, writing and oral communication abilities, and the application of mathematic concepts to authentic career-based content. This course consists of:

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(SREB)

Functional areas of logistics: Students to explore deeper understandings of the concepts they discovered in the previous course as they navigate projects on warehouse design, inventory management

(SREB)

Accounting: Accounting is an essential aspect of every business institution and organization. As future workers, small business owners, and entrepreneurs, students who understand basic accounting principles

will more knowledgeably manage their companies' financial resources. As citizens, future parents, and investors, these students will be better prepared to make the economic decisions that will affect their communities and their personal economic futures.

Personal Finance: Provide a foundation of financial concepts to prepare students for financial responsibility as they transition from student to becoming financially independent adults. Skills will be developed to prepare students to be able to evaluate financial information and address money challenges as they occur.

Logistics I

Proficiencies

1. Define and evaluate supply chains.
2. Brainstorm plans and processes to avoid supply chain disruptions.
3. Determine the locations/sites for distribution centers that will provide the best opportunities for a company's success.
4. Gain an understanding of how inventory is managed in a medium sized business.
5. Gain an understanding of the warehousing process and the variety of options and considerations for efficient warehouse design.
6. Describe risk management strategies to ensure minimal interruptions in logistic operations.
7. Create a contingency plan.
8. Explore multiple factors associated with procuring goods.
9. Analyze the advantages and disadvantages of insourcing and outsourcing.
10. Complete the various steps of the accounting cycle and explain the purpose of each step and the accounting system.
11. Define the generally accepted accounting principles and apply them appropriate to the structure of the business.
12. Prepare bank reconciliations, establish, maintain, replenish petty cash funds, and maintain a payroll register.
13. Identify and describe the basics of Personal Finances.
14. Analyze factors that affect earned income.
15. Develop Critical consumer characteristics.
16. Create a financial budget.
17. Identify investment options and the risks and rewards of investing.
18. Analyze costs and consequences of using credit.
19. Describe the importance of insurance in managing risk.
20. Use communication and leadership skills when working in teams.
21. Master the technical vocabulary and use it when appropriate