

Logistics 2

June 2016

I. COURSE DESCRIPTION

Logistics and Supply chain management are vital to the success of every organization. Because of this, job prospects for supply chain professionals are projected to grow much faster than other occupations, and prospects for advancement in these fields are tremendous. For these reasons, the academic community has developed a program of study for high school students. The program adopted by Passaic County Technical Institute has been developed by New Jersey Department of Education, Office of Career and Technical Education, and the Southern Regional Education Board (SREB). The curriculum utilizes project-based learning which encourages exploration and acquisition of the basics of supply chain management and global logistics. It also fosters the development of the essential skills such as problem-solving and strategic thinking needed for the workplace. The projects enhance reading, writing and oral communication abilities, and the application of mathematic concepts to authentic career-based content.

Functional areas of logistics: The projects expand student understanding of the concepts they discovered in the previous course as they navigate projects on transportation optimization, freight loading, procurement, information technology, equipment control, and manufacturing assemblies. Students use their experiences in this course to discover ways in which professionals minimize the outlay of resources while improving efficiency and ability in the global market. (SREB)

Accounting II: 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 have the skills to manage their companies' financial resources. This year student will complete the accounting cycle for a merchandising business operating as a corporation

Business Management: Concentrates on the basic concepts and skills needed to operate and manage a business in a rapidly changing environment.

II. Outline of Course

PCTI Curriculum Unit 1 Planner

Content Area:	Logistics 2	Grade(s)	11
Unit Plan Title:	Functional Areas in Logistics Financial Accounting Business Management		
CCS Standard(s) Addressed			
<ul style="list-style-type: none">• 9.3.12.TD-OPS.1 Develop and evaluate transportation plans to move people and/or goods to meet customer requirements.• 9.3.12.TD-OPS.2 Analyze performance of transportation operations in order to improve quality and service levels and increase efficiency• 9.3.12.TD-OPS.3 Comply with policies, laws and regulations in order to maintain safety, security and health and• mitigate the economic and environmental risk of transportation operations.• 9.3.12.FN-ACT.1 Describe and follow laws and regulations to manage accounting operations and transactions.• 9.3.12.FN-ACT.2 Utilize accounting tools, strategies and systems to plan, monitor, manage and maintain the use of financial resources.• 9.3.12.BM.1 Utilize mathematical concepts, skills and problem solving to obtain necessary information for decision-making in business.• 9.3.12.BM.3 Explore, develop and apply strategies for ensuring a successful business career.• 9-10.RST.1 Cite specific textual evidence to support analysis of science and technical texts, attending to the precise details of explanations or descriptions.• 9-10.RST.2 Determine the central ideas or conclusions of a text; trace the text's explanation or depiction of a complex process, phenomenon, or concept; provide an accurate summary of the text.• 9-10.RST.3 Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks, attending to special cases or exceptions defined in the text.• 9-10.RST.7 Translate quantitative or technical information expressed in words in a text into visual form (e.g., a table or chart) and translate information expressed visually or mathematically (e.g., in an equation) into words.• 9-10.WHST.4 Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.• 9-10.WHST.6 Use technology, including the Internet, to produce, publish, and update individual or shared writing products, taking advantage of technology's capacity to link to other information and to display information flexibly and dynamically.• 9-10.WHST.7 Conduct short as well as more sustained research projects to answer a question (including a self-generated question) or solve a problem; narrow or broaden			

the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.

Essential Questions

- How can we choose the most efficient transport method for a product?
- How can we maximize loading a cargo plane for efficient and safe shipping?
- What Business Management skills are needed for success in the 21st Century?
- How can we successfully and accurately complete the accounting cycle of a merchandising business organized as a corporation?
- How can we use technology and computer applications to access, manage, evaluate, and synthesize information to solve problems individually and collaboratively to create and communicate knowledge?

Anchor Text

- SREB Project Based Learning Curriculum
- Century 21 Accounting 9E, General Journal Gilbertson, Lehman, South-Western Cengage Learning 2008
- Business Management, 13e by Burrow and Kleindl (South-Western Cengage) 2013

Informational Texts

- <http://www.inboundlogistics.com/cms/article/ground-tactics-optimizing-transportation-networks/> Ground Tactics: Optimizing Transportation Networks
- <http://www.loweslink.com/llmain/pubdocuments/vcPkg-PalletizationShippingGuidelines.pdf> Lowes Palletizing and Shipping Guidelines
- http://www.supplychain247.com/article/global_logistics_challenges_for_expansion_into_emerging_markets/July_2013 Global Logistics: Challenges for Expansion into Emerging Markets
- <http://businesscasesstudies.co.uk/coca-cola-great-britain/the-importance-of-social-responsibility/introduction.html#axzz317u4IHBB>
- The importance of social responsibility
- A Coca-Cola Great Britain case study

Career and Life Skills

- Analyze information and present recommendations using various communication skills
- Recognize the impact logistics plays in the success of a business
- Evaluate the role of transportation in the supply chain.
- Demonstrate creative, critical thinking, collaboration and problem solving skills during structured learning experiences.
- Analyze and record business transactions for a merchandising business operating as a corporation.
- Identify the leadership skills necessary for effective management.
- Use technology and computer applications to record, analyze, evaluate, and communicate information.

Suggested Writing Assessments

- Write a proposal in which you argue for the most efficient transport method for a product. Support your position with evidence from your research.
- Write a report describing how to maximize loading for efficient and safe shipping. Support your position with evidence from your research.
- Research the skills necessary to be a highly effective leader and write your finding in a document using MLA format
- Joe Moyer, your uncle, is an investor who has decided to incorporate. He knows that you are taking college accounting and in a recent letter to you, he wrote: I'm filling out a state incorporation application. Can you explain the following terms? (1). Authorized stock. (2) Issued stock. (3) Outstanding stock. (4) Preferred stock. In a brief note to Uncle Joe, differentiate the four different stock terms. Write a letter that is friendly, yet professional.
- Chapter analysis of case studies

Resources (websites, Blackboard, documents, etc.)

- SREB curriculum resources
- 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>
- The Geography of Transport Systems: <http://people.hofstra.edu/geotrans/index.html>

Suggested Time Frame: 9 Weeks

PCTI Curriculum Unit 2 Planner

Content Area:	Logistics 2	Grade(s)	11
Unit Plan Title:	Functional Areas in Logistics Financial Accounting Business Management		
CCS Standard(s) Addressed			
<ul style="list-style-type: none"> • 9.3.12.TD-OPS.1 Develop and evaluate transportation plans to move people and/or goods to meet customer requirements. • 9.3.12.TD-OPS.2 Analyze performance of transportation operations in order to improve quality and service levels and increase efficiency • 9.3.12.TD-OPS.3 Comply with policies, laws and regulations in order to maintain safety, security and health and • mitigate the economic and environmental risk of transportation operations. • 9.3.12.FN-ACT.1 Describe and follow laws and regulations to manage accounting operations and transactions. • 9.3.12.FN-ACT.2 Utilize accounting tools, strategies and systems to plan, monitor, manage and maintain the use of financial resources. • 9.3.12.BM.1 Utilize mathematical concepts, skills and problem solving to obtain 			

necessary information for decision-making in business.

- 9.3.12.BM.3 Explore, develop and apply strategies for ensuring a successful business career.
- 9-10.RST.1 Cite specific textual evidence to support analysis of science and technical texts, attending to the precise details of explanations or descriptions.
- 9-10.RST.2 Determine the central ideas or conclusions of a text; trace the text's explanation or depiction of a complex process, phenomenon, or concept; provide an accurate summary of the text.
- 9-10.RST.3 Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks, attending to special cases or exceptions defined in the text.
- 9-10.RST.7 Translate quantitative or technical information expressed in words in a text into visual form (e.g., a table or chart) and translate information expressed visually or mathematically (e.g., in an equation) into words.
- 9-10.WHST.4 Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.
- 9-10.WHST.6 Use technology, including the Internet, to produce, publish, and update individual or shared writing products, taking advantage of technology's capacity to link to other information and to display information flexibly and dynamically.
- 9-10.WHST.7 Conduct short as well as more sustained research projects to answer a question (including a self-generated question) or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.

Essential Questions

- How can we manage the procurement of goods for a product?
- How can we improve operations using information systems?
- Why is planning important when managing a business?
- How does an organization implement and control activities?
- How to successfully and accurately complete the accounting cycle of a merchandising business organized as a corporation?

Anchor Text

- SREB Project Based Learning Curriculum
- Century 21 Accounting 9E, General Journal Gilbertson, Lehman, South-Western Cengage Learning 2008
- Business Management, 13e by Burrow and Kleindl (South-Western Cengage) 2013.

Informational Texts

- Why locate in Sunderland? <http://businesscasestudies.co.uk/nissan/planning-for-quality-and-productivity/why-locate-in-sunderland.html#axzz3184IJu8X>
- A Coca-Cola Great Britain case study- Delivering Service Excellence In The Supply Chain
- Kraft Foods UK case study Read more: <http://businesscasestudies.co.uk/kraft-foods-uk/delivering-service-exellence-in-the-supply-chain/introduction.html#ixzz318Md5dey>

- http://www.supplychain247.com/article/global_logistics_challenges_for_expansion_into_emerging_markets/July_2013 Global Logistics: Challenges for Expansion into Emerging Markets
- <http://money.cnn.com/2014/05/22/technology/amazon-robots/> Army of robots to invade Amazon warehouses

Career and Life Skills

- Analyze information and present recommendations using various communication skills
- Evaluate the role of information systems in the supply chain.
- Demonstrate creative, critical thinking, collaboration and problem solving skills during structured learning experiences.
- Analyze, record, and summarize business transactions for a merchandising business operating as a corporation.
- Apply integrated business practices to manage supply, demand, and finances in alignment with business goals.
- Use technology and computer applications to record, analyze, evaluate, and communicate information.

Suggested Writing Assessments

- Develop a procurement schedule describing how to coordinate orders for various products of your company. Support your position with evidence from your research.
- Maintain a professional notebook with research, reflections and vocabulary for the procurement project
- Create an organizational chart. Contrast the vertical and horizontal dimensions of an organization chart.
- Research the internet and contact local businesses or write to companies listed in Hoover's business Guide, Standard and Poor's Directory, and Moody's Manual to secure their vision statement. Read the vision statement and indicate the trend that the firm seems to be following and its goals.
- Chapter analysis of case studies

Resources (websites, Blackboard, documents, etc.)

- SREB curriculum resources
- 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>
- The Geography of Transport Systems: <http://people.hofstra.edu/geotrans/index.html>
- Blackboard

Suggested Time Frame:

9 Weeks

PCTI Curriculum Unit 3 Planner

Content Area:	Logistics 2	Grade(s)	11
Unit Plan Title:	Functional Areas in Logistics Financial Accounting Business Management		
CCS Standard(s) Addressed			
<ul style="list-style-type: none"> • 9.3.12.TD-OPS.1 Develop and evaluate transportation plans to move people and/or goods to meet customer requirements. • 9.3.12.TD-OPS.2 Analyze performance of transportation operations in order to improve quality and service levels and increase efficiency • 9.3.12.TD-OPS.3 Comply with policies, laws and regulations in order to maintain safety, security and health and • mitigate the economic and environmental risk of transportation operations. • 9.3.12.FN-ACT.1 Describe and follow laws and regulations to manage accounting operations and transactions. • 9.3.12.FN-ACT.2 Utilize accounting tools, strategies and systems to plan, monitor, manage and maintain the use of financial resources. • 9.3.12.BM.1 Utilize mathematical concepts, skills and problem solving to obtain necessary information for decision-making in business. • 9.3.12.BM.3 Explore, develop and apply strategies for ensuring a successful business career. • 9-10.RST.1 Cite specific textual evidence to support analysis of science and technical texts, attending to the precise details of explanations or descriptions. • 9-10.RST.2 Determine the central ideas or conclusions of a text; trace the text's explanation or depiction of a complex process, phenomenon, or concept; provide an accurate summary of the text. • 9-10.RST.3 Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks, attending to special cases or exceptions defined in the text. • 9-10.RST.7 Translate quantitative or technical information expressed in words in a text into visual form (e.g., a table or chart) and translate information expressed visually or mathematically (e.g., in an equation) into words. • 9-10.WHST.4 Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience. • 9-10.WHST.6 Use technology, including the Internet, to produce, publish, and update individual or shared writing products, taking advantage of technology's capacity to link to other information and to display information flexibly and dynamically. 9-10.WHST.7 Conduct short as well as more sustained research projects to answer a question (including a self-generated question) or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating 			

understanding of the subject under investigation.

Essential Questions

- How can a business improve its operations by using an information management system?
- How can you maintain real-time locations for the tractors and trailers in a company's fleet?
- What are the major responsibilities of production and marketing managers?
- What are the major responsibilities of production?
- How to successfully and accurately complete the accounting cycle of a merchandising business organized as a corporation?

Anchor Text

- SREB Project Based Learning Curriculum
- Century 21 Accounting 9E, General Journal Gilbertson, Lehman, South-Western Cengage Learning 2008
- Business Management, 13e by Burrow and Kleindl (South-Western Cengage) 2013

Informational Texts

- Why locate in Sunderland?<http://businesscasestudies.co.uk/nissan/planning-for-quality-and-productivity/why-locate-in-sunderland.html#axzz3184IJu8X>
- A Coca-Cola Great Britain case study- Delivering Service Excellence In The Supply Chain
- Kraft Foods UK case study. Read more: <http://businesscasestudies.co.uk/kraft-foods-uk/delivering-service-excellence-in-the-supply-chain/introduction.html#ixzz318Md5dey>
- http://www.supplychain247.com/article/global_logistics_challenges_for_expansion_into_emerging_markets/July_2013 Global Logistics: Challenges for Expansion into Emerging Markets
- <http://money.cnn.com/2014/05/22/technology/amazon-robots/>Army of robots to invade Amazon warehouses

Career and Life Skills

- Analyze information and present recommendations using various communication skills
- Recognize the impact logistics plays in the success of a business
- Evaluate the role of information management systems in the supply chain.
- Demonstrate creative, critical thinking, collaboration and problem solving skills during structured learning experiences.
- Prepare payroll records, taxes, and reports.
- Apply integrated business practices to manage supply, demand, and finances in alignment with business goals.
- Use technology and computer applications to record, analyze, evaluate, and communicate information.

Suggested Writing Assessments

- Write a recommendation in which you defend your position for vital information that must be managed and shared between departments..
- Write an equipment control manual in which you relate how your system meets the transportation needs of the company.
- Research the internet and contact local businesses or write to companies listed in Hoover's

business Guide, Standard and Poor's Directory, and Moody's Manual to secure their vision statement. Read the vision statement and indicate the trend that the firm seems to be following and its goals.

- Analyze job advertisements for small businesses that appeal to applicants and write down what is generally included.. Also, determine the cost for running ads through various sources including newspapers, magazines, television, etc..
- Chapter analysis of case studies

Resources (websites, Blackboard, documents, etc.)

- SREB curriculum resources
- 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>
- The Geography of Transport Systems: <http://people.hofstra.edu/geotrans/index.html>
- Blackboard

Suggested Time Frame:

9 Weeks

PCTI Curriculum Unit 4 Planner

Content Area:	Logistics 2	Grade(s)	11
Unit Plan Title:	Global Logistics Management Financial Accounting Business Management		
CCS Standard(s) Addressed			
<ul style="list-style-type: none"> • 9.3.12.TD-OPS.1 Develop and evaluate transportation plans to move people and/or goods to meet customer requirements. • 9.3.12.TD-OPS.2 Analyze performance of transportation operations in order to improve quality and service levels and increase efficiency • 9.3.12.TD-OPS.3 Comply with policies, laws and regulations in order to maintain safety, security and health and • mitigate the economic and environmental risk of transportation operations. • 9.3.12.FN-ACT.1 Describe and follow laws and regulations to manage accounting operations and transactions. • 9.3.12.FN-ACT.2 Utilize accounting tools, strategies and systems to plan, monitor, manage and maintain the use of financial resources. • 9.3.12.BM.1 Utilize mathematical concepts, skills and problem solving to obtain necessary information for decision-making in business. • 9.3.12.BM.3 Explore, develop and apply strategies for ensuring a successful business career. 			

- 9-10.RST.1 Cite specific textual evidence to support analysis of science and technical texts, attending to the precise details of explanations or descriptions.
- 9-10.RST.2 Determine the central ideas or conclusions of a text; trace the text's explanation or depiction of a complex process, phenomenon, or concept; provide an accurate summary of the text.
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- 9-10.RST.7 Translate quantitative or technical information expressed in words in a text into visual form (e.g., a table or chart) and translate information expressed visually or mathematically (e.g., in an equation) into words.
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- 9-10.WHST.6 Use technology, including the Internet, to produce, publish, and update individual or shared writing products, taking advantage of technology's capacity to link to other information and to display information flexibly and dynamically.
- 9-10.WHST.7 Conduct short as well as more sustained research projects to answer a question (including a self-generated question) or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.

Essential Questions

- How can we coordinate multiple tasks in the supply chain for an assembly operation?
- How does a manager develop and distribute a product and compete with world markets?
- What are the types of characteristics that affect a business environment?
- How to successfully and accurately process payroll records, taxes, and reports?

Anchor Text

- SREB Project Based Learning Curriculum
- Century 21 Accounting 9E, General Journal Gilbertson, Lehman, South-Western Cengage Learning 2008
- Business Management, 13e by Burrow and Kleindl (South-Western Cengage) 2013.

Informational Texts (3-5)

- Global indicators, go to The Conference Board, "Global Economic Outlook, 2013," URL: www.conference-board.org/data/globaloutlook.cfm
- Bigger Business, Better Lives (Achieve 3000) <http://portal.achieve3000.com/kb/lesson/?lid=15512&step=11&c=57&asn=>
- The Smart Money People (Achieve3000) <http://portal.achieve3000.com/kb/lesson/?lid=15412&step=11&c=57&asn=>
- The Enron Collapse (Achieve 3000) <http://portal.achieve3000.com/kb/lesson/?lid=851&step=11&c=1&asn=>
- Four Financial Lessons from the government shutdown- Knowledge@wharton <http://kwhs.wharton.upenn.edu/2013/10/four-financial-lessons-government-shutdown/>
- Student Loan Debt may stifle Retirement Savings- CNBC <http://www.cnbc.com/id/101625435>
- Hard Times (achieve 3000)

<http://portal.achieve3000.com/kb/lesson/?lid=15467&step=11&c=61&asn=>

- Zone in on Global trade (achieve 3000)
<http://portal.achieve3000.com/kb/lesson/?lid=3765&step=11&c=1&asn=>
- Leaders get Tough on Poverty
<http://portal.achieve3000.com/kb/lesson/?lid=3765&step=11&c=1&asn=>
- Student find money for college- Achieve 3000
<http://portal.achieve3000.com/kb/lesson/?lid=2597&step=11&c=1&asn=>

Career and Life Skills

- Analyze research information and present recommendations using various communication skills
- Understand the characteristics of the various environments of a business and the responsibility of managers. Demonstrate creative, critical thinking, collaboration and problem solving skills during structured learning experiences.
- Apply integrated business practices to manage supply, demand, and finances in alignment with global business goals.
- Analyze, record, and summarize business transactions for a merchandising business operating as a corporation.
- Create a personalized digital portfolio that contains a résumé, exemplary projects and activities reflecting personal and academic interests, achievements, and career aspirations.
- Use technology and computer applications to record, analyze, evaluate, and communicate information.

Suggested Writing Assessments

- Write a proposal in which you describe the methods used to manage production of a bicycle assembly.
- Research one of the economic leading indicators. Summarize what it tells us about the future. For descriptions of the components of the Leading Economic Index, go to: www.conference-board.org/data/bci/index.cfm?id=2160 .
- Create a flow chart illustrating payroll process
- Chapter analysis of case studies
- Create a personalized digital portfolio that contains a résumé, cover letter and follow-up letter.

Resources (websites, Blackboard, documents, etc.)

- SREB curriculum resources
- <http://www.econedlink.org/> is the Council for Economic Education website.
- Inflation calculator at <http://www.minneapolisfed.org/index.cfm>.
- Ford Assembly Line, 1920s: This site provides a video of an assembly line.
americanhistory.si.edu/onthemove/exhibition/exhibition_8_6.html
- Consumer Price Index 1913-: This Federal Reserve Bank of Minneapolis site contains the Consumer Price Index from 1913 to the present day.
- www.minneapolisfed.org/community_education/teacher/calc/hist1913.cfm
- Blackboard, Google docs and Google sites, and Microsoft applications

Suggested Time Frame:

9 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 exam.
- 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	I = Introduce D = Develop in Depth R = Reinforce M = Master
<ul style="list-style-type: none"> • Research the most efficient transport method for a product. • Maximize cargo loading for efficient and safe shipping 	D R M
<ul style="list-style-type: none"> • Journalize purchases using a purchase journal • Journalize cash payments using a cash payments journal • Perform additional cash payments journal operations • Journalize other transactions using a general journal 	I D M
<ul style="list-style-type: none"> • Journalize sales on account using a sales journal • Journalize cash receipts using a cash receipts journal • Record transactions using general journal 	I D M
<ul style="list-style-type: none"> • Manage the procurement of goods for a product. 	D R M
<ul style="list-style-type: none"> • Prepare payroll time cards • Determine payroll tax withholding • Prepare payroll records • Prepare payroll checks 	I D M
<ul style="list-style-type: none"> • Identify the responsibilities of supervisors • Describe the day-to-day management activities of supervisors • Discuss ways that businesses can improve the skills of supervisors • Recognize the importance of information technology • Recognize the importance of equipment control. 	I D M D R M
<ul style="list-style-type: none"> • Record a payroll • Record employer payroll taxes • Report withholding and payroll taxes • Pay withholding and payroll taxes 	I D M

<ul style="list-style-type: none"> • Distribute corporate earnings to stockholders • Begin an 8-column worksheet for merchandising business • Plan and record merchandise inventory • Plan and record allowance for uncollectible accounts adjustments • Plan and record Depreciation adjustments • Calculate federal income tax and complete worksheet 	I D M
<ul style="list-style-type: none"> • Recognize the importance of leadership and human relations • Identify important leadership characteristics and types of power • Describe four types of power available to leaders 	I D M
<ul style="list-style-type: none"> • Describe how to manage the assembly of a bicycle 	D R M
<ul style="list-style-type: none"> • Prepare an income statement • Analyze an income statement • Prepare a statement of stockholders' equity • Prepare a balance sheet • Record adjusting entries. • Record closing entries for income statement accounts. • Prepare a post-closing trial balance. 	I D M I D M
<ul style="list-style-type: none"> • Explain the importance of planning in the success of a business • Identify the characteristics of effective goals. • Describe several business planning tools and how they are used. • Identify the importance of developing effective organizations 	I D

VI. Logistics 2 Student Proficiencies Handout

COURSE DESCRIPTION

Logistics and Supply chain management is vital to the success of every organization. Because of this, job prospects for supply chain professionals are projected to grow much faster than other occupations, and prospects for advancement in these fields is tremendous. For these reasons, the academic community has developed a program of study for high school students. The program adopted by Passaic County Technical Institute has been developed by New Jersey Department of Education, Office of Career and Technical Education, and the Southern Regional Education Board (SREB). The curriculum utilizes project-based learning which encourages exploration and acquisition of the basics of supply chain management and global logistics. It also fosters the development of the essential skills such as problem-solving and strategic thinking needed for the workplace. The projects enhance reading, writing and oral communication abilities, and the application of mathematic concepts to authentic career-based content.

Functional areas of logistics: The projects expand student understanding of the concepts they discovered in the previous course as they navigate projects on transportation optimization, freight loading, procurement, information technology, equipment control, and manufacturing assemblies. Students use their experiences in this course to discover ways in which professionals minimize the outlay of resources while improving efficiency and ability in the global market. (SREB)

Accounting II: 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. This year student will complete the accounting cycle for a merchandising business operating as a corporation

Business Management: presentation to the basic concepts and skills needed to operate and manage a business in a rapidly changing environment.

Logistics 2

Proficiencies

Upon successful completion of this course, the student will be able to:

1. Research most efficient transport method for a product.
2. Maximize cargo loading for efficient and safe shipping
3. Recognize the role procurement plays in supply chain.
4. Evaluate the importance of information systems in the success of supply chain
5. Recognize the importance of maintaining locations of the company fleet.
6. Recognize the importance of work flow in the assembly of a product
7. Record business transaction for a merchandising business organized as a corporation in the appropriate journals
8. Post business transaction for a merchandising business organized as a corporation to the appropriate ledger
9. Complete the accounting cycle for a merchandising business organized as a corporation
10. Prepare and analyze financial statement for a merchandising business organized as a corporation
11. Prepare payroll records, taxes, and reports.
12. Describe Business Management skills needed for success in the 21st Century
13. Recognize the importance of planning when managing a business
14. Describe the strengths and weaknesses of four organizational structures.
15. Identify how managers implement corrective actions and cost controls.
16. Describe how the characteristics of good organization contribute to a more effective work environment.
17. Describe the major responsibilities of production and marketing managers
18. Describe the characteristics that affect a business environment?
19. Differentiate between strategic and operational planning.