Accounting II

Accounting II is designed to present the concepts and procedures of double-entry accounting and the accounting cycle as applied to a Merchandising Business organized as a Corporation. Course content includes the use of computer technology. It is a course that presents advanced accounting principles for both business and non-business applications.

	COURSE OUTLINE			
Unit One	Unique Global Imports simulation	10 weeks		
Unit Two	Accounting for uncollectible accounts receivable	3 weeks		
Unit Three	Accounting for plant assets and depreciation	3 weeks		
Unit Four	Accounting for Inventory	3 weeks		
Unit Five	Accounting for notes and interest	3 weeks		
Unit Six	Accounting for accrued revenue and expenses	3 weeks		
Unit Seven	Preparing a worksheet for a corporation	5 weeks		
Unit Eight	Accounting for partnerships	2.5 weeks		
Unit Nine	Recording international and Internet sales	2.5 weeks		

School-wide Academic Expectations Taught in this Course	School-wide Social Civic Expectations Taught in this Course	
 Communication Collaboration Analysis Literacy 	 Demonstrate Responsibility Demonstrate Resilience Demonstrate Respect 	

CONN	CONNECTICUT CAREER & TECHNICAL EDUCATION PERFORMANCE STANDARDS & COMPETENCIES		
	A. Accounting Profession Explain the role that accountants play in business and society.		
A.1	A.1 Describe career opportunities in the accounting profession		
A.2	A.2 Explain the need for a code of ethics in accounting and ethical responsibilities required of accountants.		
Ide	B. Accounting Principles: Identify and describe generally accepted accounting principles (GAAP/IFRS) and explain how the application of these principles impacts the recording of financial transactions and the preparation of financial statements.		
B.3	B.3 Define assets, liabilities, equity, revenue, expenses, gains, and losses.		
B.4	B.4 Describe methods for controlling and safeguarding cash.		

B.5	Record transactions affecting accounts receivable, including uncollectible accounts, write-offs, and recoveries.		
B.6	Explain the difference between the periodic and perpetual inventory methods.		
B. 7	Determine the cost of inventory for businesses and apply appropriate valuation methods.		
B.8	Identify, calculate, and record depreciation and depletion and explain the impact on the financial statements.		
B.9	Apply transactions for accounts payable and other short-term debt.		
B.10	Record transactions for long-term debt instruments.		
B.11	Describe and record equity-related transactions.		
B.12	Describe and record revenue-related transactions.		
B.13	Analyze transactions involving accruals.		
B.14	Describe and record expense-related transactions		
	C. Accounting Process: Complete the various steps of the accounting cycle in order to prepare financial statements.		
C.15	Analyze and describe how basic business transactions impact the accounting equation.		
C.16	Explain the need for adjusting entries and record basic adjusting entries.		
C.17	Complete the closing process.		
	D. Financial Reports: Develop an understanding and working knowledge of financial statements.		
D.18	Describe the users and uses of financial information.		
D.19	Describe the information provided in each financial statement and how the statements relate.		
Acce.	E. Financial Analysis: Access the financial condition and operating results of a company and analyze and interpret financial statements and information to make informed business decisions.		
E.20	Calculate component percentages.		
E.21	Discuss the information that can be obtained from analyzing financial statements.		
	F. Special Applications:		

Apply appropriate	accounting principles to payroll.	
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F.22 Prepare and maintain payroll records.

Common Core Standards		
CCSS-ELA 9-10.L.6	Acquire and use accurate general academic and domain-specific words and phrases, sufficient for reading, writing, speaking, and listening at the college and career readiness level; demonstrate independence in gathering vocabulary knowledge when considering a word or phrase important to comprehension or expression.	
CCSS-ELA 11-12.L.6	Acquire and use accurate general academic and domain-specific words and phrases, sufficient for reading, writing, speaking, and listening at the college and career readiness level; demonstrate independence in gathering vocabulary knowledge when considering a word or phrase important to comprehension or expression.	
CCSS-ELA 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 flexibility and dynamically.	
CCSS-ELA 11-12.WHST.6.	Use technology, including the Internet, to produce, publish, and update individual or shared writing products in response to ongoing feedback, including new arguments or information.	
CCSS-ELA 9-10.SL.2	Integrate multiple sources of information presented in diverse media or formats (e.g., visually, quantitatively, orally) evaluating the credibility and accuracy of each source.	
CCSS-ELA 11-12.SL.2	Integrate multiple sources of information presented in diverse media or formats (e.g., visually, quantitatively, orally) in to make informed decisions and solve problems, evaluating the credibility and accuracy of each source and noting any discrepancies among the data.	
CCSS-MATH CC.9-12.A.CED.1 Create equations and inequalities in one variable and use them to solve problems.		
CCSS-MATH CC.9-12.A.REI.1 Explain each step in solving a simple equation as following from the equality of numbers asserted at the previous ster starting from the assumption that the original equation has a solution. Construct a viable argument to justify a solution method.		
CCSS-MATH CC.9-12.N.Q.1	use units as a way to understand problems and to guide the solution of multi-step problems; choose and interpret units consistently in formulas; choose and interpret the scale and the origin in graphs and data displays.	

Unit 1: Unique Global Imports Simulation

Introduction: Students will do a quick review of the end of Accounting I-B. They will complete a corporate worksheet and prepare the financial statements for the end of the fiscal year using the information in their completed worksheet. Students will then complete the corporate simulation "Unique Global" using the information given in the packet.

Desired Outcome(s):

Students will be able to:

- Apply knowledge learned to analyze transactions
- Apply knowledge learned to prepare payroll records
- Apply knowledge learned to complete a worksheet and
- Apply knowledge learned to prepare financial statements

CT Career and Technical Education Performance Standards and Competencies: A.1, A.2, B.1, B.2, B.3, B.4, B.5, B.6, B.7, B.8, B.9, B.10, B.11, B.12, B.13, B.14, C.15, C.16, C.17

Common Core Standard(s):

CCSS-ELA 9-10.L.6, CCSS-ELA 11-12.L.6, CCSS-ELA 9-10.WHST.6., CCSS-ELA 11-12.WHST.6., CCSS-ELA 9-10.SL.2, CCSS-ELA 11-12.SL., CCSS-MATH CC.9-12.A.CED.1, CCSS-MATH CC.9-12.A.REI.1, CCSS-MATH CC.9-12.N.Q.1

Essential Question(s):

- Why is it important for a business to consistently follow standard accounting practices?
- How is cash critical to the success of a business?
- Why are end-of-the-year financial procedures important to the owner of a business?

LEARNING PLAN

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	LEARNING OBJECTIVES	INSTRUCTIONAL STRATEGIES	ASSESSMENTS
	(Content and Skill)		
1.	Journalize all source documents for the month	Direct Instruction	Discussion questions
2.	Prepare check and check register all for cash payments	Project-based learning	Application Assessments
3.	Post the journal entries to the appropriate general ledger or	Peer collaboration	Exit tickets
	subsidiary ledger	Vocabulary Notes	
4.	Prepare payroll register and employee earnings records	Simulations	
5.	Prepare the worksheet	Flexible Groupings	Reinforcement Activity 2-Part B
6.	Prepare the income statement	Gamification	Analysis (D1, D2, D3, D4, D5)
7.	Prepare the statement of stockholders' equity	Spreadsheet practice	
8.	Prepare the balance sheet	Business Simulations	Unique Global Simulation
9.	Record the adjusting entries	Peer Teaching	Analysis (D1, D2, D3, D4, D5)
10	Post the adjusting entries	Gamification	
11	. Record the closing entries	Class Discussion	
12	2. Post the closing entries	Small group discussion	
13	. Prepare the post closing trial balance		
14	. Complete the audit test		

Suggested Resources: Unique Global Imports

Unit 2: Accounting for Uncollectible Accounts Receivable

Introduction: Students will define accounting terms related to uncollectible accounts. Students will prepare financial transactions and reports for uncollectible accounts receivable, plant assets and depreciation, inventory, notes, and interest, accrued revenue and expenses, end-of-fiscal-period work for a corporation

Desired Outcome(s):

Students will be able to:

- Identify accounting concepts and practices related to uncollectible accounts
- Calculate, journalize, and post estimated uncollectible accounts expense
- Journalize and post entries related to writing off and collecting uncollectible accounts receivable

CT Career and Technical Education Performance Standards and Competencies: B.5

Common Core Standard(s):

• CCSS-ELA 9-10.L.6, CCSS-ELA 11-12.L.6, CCSS-ELA 9-10.WHST.6., CCSS-ELA 11-12.WHST.6., CCSS-ELA 9-10.SL.2, CCSS-ELA 11-12.SL., CCSS-MATH CC.9-12.A.CED.1, CCSS-MATH CC.9-12.A.REI.1, CCSS-MATH CC.9-12.N.Q.1

- How does a company estimate uncollectible accounts?
- What is the company's policy for recognizing bad debts?
- What efforts are made to collect overdue accounts before considering them uncollectible?

LEARNING OBJECTIVES (Content and Skill)	INSTRUCTIONAL STRATEGIES	ASSESSMENTS
Calculate estimated uncollectible accounts expense. Journalize uncollectible accounts expenses. Post analyze uncollectible accounts expenses. Journalize entries related to writing off and collecting uncollectible accounts receivable. Post entries related to writing off and collecting uncollectible accounts receivable.	Direct Instruction Project-based learning Peer collaboration Vocabulary instruction Simulations Flexible Groupings Gamification Spreadsheet practice Business Simulations Peer Teaching	Discussion questions Application assessments Mastery/Challenge assessments Recycle assessments Exit tickets Application Assessment 17-1,17-2, and 17-3 Analysis (D1, D2, D3) Mastery Assessment 17 Analysis (D1, D2, D3) Challenge Assessment 17 Analysis (D1, D2, D3) Recycle Assessment 17 Analysis (D1, D2, D3)

Unit 3: Accounting for Plant Assets and Depreciation

Introduction: Students will understand the buying of plant assets, disposing of plant assets, calculating depreciation expenses, and paying property tax. They will calculate depreciation expense and book value using the straight-line method of depreciation and the double declining-balance method of depreciation.

Desired Outcome(s):

Students will be able to:

- Define accounting terms related to plant assets, depreciation, and property tax expense
- Identify accounting concepts and practices related to accounting for plant assets, depreciation, and property taxes
- Record the buying of a plant asset and the paying of property tax

CT Career and Technical Education Performance Standards and Competencies: B.8

Common Core Standard(s):

• CCSS-ELA 9-10.L.6, CCSS-ELA 11-12.L.6, CCSS-ELA 9-10.WHST.6., CCSS-ELA 11-12.WHST.6., CCSS-ELA 9-10.SL.2, CCSS-ELA 11-12.SL., CCSS-MATH CC.9-12.A.CED.1, CCSS-MATH CC.9-12.A.REI.1, CCSS-MATH CC.9-12.N.Q.1

- What is the useful life of each type of plant asset?
- What depreciation methods are used, and why were they chosen?
- How is the salvage value determined?

LEARNING OBJECTIVES (Content and Skill)	INSTRUCTIONAL STRATEGIES	ASSESSMENTS
 Record the buying of a plant asset and the paying of property tax. Calculate depreciation expense and book value using the straight-line method of depreciation. Prepare plant asset records and journalize annual depreciation expenses. Record entries related to disposing of plant assets. Calculate depreciation expense using the double declining-balance method of depreciation. 	Direct Instruction Project-based learning Peer collaboration Vocabulary instruction Simulations Flexible Groupings Gamification Spreadsheet practice Business Simulations Peer Teaching	Discussion questions Application assessments Mastery/Challenge assessments Recycle assessments Exit tickets Application Assessment 18-1, 18-2, 18-3, 18-4, 18-5, and 18-6 Analysis (D1, D2, D3,D5) Mastery Assessment 18 Analysis (D1, D2, D3,D5) Challenge Assessment 18 Analysis (D1, D2, D3,D5) Recycle Assessment 18 Analysis (D1, D2, D3,D5)

Unit 4: Accounting for Inventory

Introduction: Students will determine the quantity and cost of merchandise inventory. They will determine the Cost of Merchandise Inventory using the fifo, lifo, and weighted-average inventory costing methods. They will also use the Gross Profit Method of Estimating Inventory.

Desired Outcome(s):

Students will be able to:

- Define accounting terms related to inventory
- Identify accounting concepts and practices related to inventory
- Prepare a stock record card
- Determine the cost of merchandise inventory

CT Career and Technical Education Performance Standards and Competencies: B.6, B.7, B.8

Common Core Standard(s):

• CCSS-ELA 9-10.L.6, CCSS-ELA 11-12.L.6, CCSS-ELA 9-10.WHST.6., CCSS-ELA 11-12.WHST.6., CCSS-ELA 9-10.SL.2, CCSS-ELA 11-12.SL., CCSS-MATH CC.9-12.A.CED.1, CCSS-MATH CC.9-12.A.REI.1, CCSS-MATH CC.9-12.N.Q.1

- How often is inventory counted?
- What procedures are in place to address shrinkage or obsolescence?
- What costs are included in the valuation of inventory?

LEARNING OBJECTIVES	INSTRUCTIONAL STRATEGIES	ASSESSMENTS
(Content and Skill)		
1. Prepare a stock record.	Direct Instruction	Discussion questions
2. Determine the cost of merchandise inventory using the fifo,	Project-based learning	Application assessments
lifo, and weighted-average inventory costing methods.	Differentiated materials provided by the instructor	Mastery/Challenge assessments
3. Estimate the cost of merchandise inventory using the gross	Peer collaboration	Recycle assessments
profit method of estimating inventory.	Vocabulary instruction	Exit tickets
	Simulations	
	Flexible Groupings	
	Gamification	Application Assessments 19-1, 19-2, and
	Spreadsheet practice	19-3
	Business Simulations	(Analysis D1, D2, D3,D5)
	Peer Teaching	
		Mastery Assessment 19
		(Analysis D1, D2, D3,D5)
		Challenge Assessment 19
		(Analysis D1, D2, D3,D5)
		Recycle Assessment 19
		(Analysis D1, D2, D3, D5)

Unit 5: Accounting for Notes and Interest

Introduction: Students will learn how promissory notes work and how maturity dates are calculated. They will also learn about signing notes payables and accepting notes receivables from a customer. They will calculate interest and maturity dates for notes.

Desired Outcome(s):

Students will be able to:

- Define accounting terms related to notes and interest
- Identify concepts and practices related to notes and interest
- Analyze and record transactions for notes payable and receivable

CT Career and Technical Education Performance Standards and Competencies: B.9, B.10, B.11, B.12

Common Core Standard(s):

• CCSS-ELA 9-10.L.6, CCSS-ELA 11-12.L.6, CCSS-ELA 9-10.WHST.6., CCSS-ELA 11-12.WHST.6., CCSS-ELA 9-10.SL.2, CCSS-ELA 11-12.SL., CCSS-MATH CC.9-12.A.CED.1, CCSS-MATH CC.9-12.A.REI.1, CCSS-MATH CC.9-12.N.Q.1

- What types of notes does the company issuer receive?
- How often is interest compounded or paid?
- How are notes presented in the financial statements?

LEARNING OBJECTIVES (Content and Skill)	INSTRUCTIONAL STRATEGIES	ASSESSMENTS
1. Calculate interest and maturity dates for notes. 2. Analyze and record transactions for notes payable. 3. Analyze and record transactions for notes receivable. .	Direct Instruction Project-based learning Differentiated materials provided by the instructor Peer collaboration Vocabulary instruction Simulations Flexible Groupings Gamification Spreadsheet practice Business Simulations Peer Teaching	Discussion questions Application assessments Mastery/Challenge assessments Recycle assessments Exit tickets Application Assessment 20-1, 20-2, 20-3, and 20-4 (Analysis D1, D2, D3,D5) Mastery Assessment 20 (Analysis D1, D2, D3,D5) Challenge Assessment 20 (Analysis D1, D2, D3,D5) Recycle Assessment 20 (Analysis D1, D2, D3, D5) Reinforcement Activity 3-Part A (Analysis D1, D2, D3, D4, D5)

Suggested Resources: Century 21 South-Western Accounting 9E, student edition 17-24 working papers, and Reinforcement Activity 3-Part A

Unit 6: Accounting for Accrued Revenue and Expenses

Introduction: Students will analyze adjustments for accrued interest income and accrued interest expense. They will become knowledgeable about reversing entries.

Desired Outcome(s):

Students will be able to:

- Define accounting terms related to accrued revenue and accrued expenses
- Identify accounting concepts and practices related to accrued revenue and accrued expenses
- Record adjusting, closing, and reversing entries for accrued revenue
- Record adjusting, closing, and reversing entries for accrued expenses

CT Career and Technical Education Performance Standards and Competencies: B.9, B.10, B.11, B.12

Common Core Standard(s):

• CCSS-ELA 9-10.L.6, CCSS-ELA 11-12.L.6, CCSS-ELA 9-10.WHST.6., CCSS-ELA 11-12.WHST.6., CCSS-ELA 9-10.SL.2, CCSS-ELA 11-12.SL., CCSS-MATH CC.9-12.A.CED.1, CCSS-MATH CC.9-12.A.REI.1, CCSS-MATH CC.9-12.N.Q.1

- What is the definition of accrued revenue?
- How is the amount of accrued revenue determined?
- What is the process for recording and adjusting accrued revenue?

LEARNING OBJECTIVES (Content and Skill)	INSTRUCTIONAL STRATEGIES	ASSESSMENTS
1. Record adjusting entries for accrued revenue 2. Record closing entries for accrued revenue 3. Record reversing entries for accrued revenue 4. Record adjusting entries for accrued expenses 5. Record closing entries for accrued expenses 6. Record reversing entries for accrued expenses	Direct Instruction Project-based learning Differentiated materials provided by the instructor Peer collaboration Vocabulary instruction Simulations Flexible Groupings Gamification Spreadsheet practice Business Simulations Peer Teaching	Discussion questions Application assessments Mastery/Challenge assessments Recycle assessments Exit tickets Application Assessment 21-1, 21-2, and 21-3 (Analysis D1, D2, D3,D5) Mastery Assessment 21 (Analysis D1, D2, D3,D5) Recycle Assessment 21 (Analysis D1, D2, D3,D5)

Unit 7: End-of-Fiscal-Period Work for a Corporation

Introduction: Students will record Departmental Purchases, Cash Payments, Sales, and Cash Receipts. They will calculate and record Departmental Payroll data.

Desired Outcome(s):

Students will be able to:

- Define accounting terms related to financial statements for a merchandising business organized as a corporation
- Identify accounting concepts and practices related to financial statements and end-of-fiscal-period entries for a merchandising business organized as a corporation

CT Career and Technical Education Performance Standards and Competencies: C.15, C.16, C.17, F.20

Common Core Standard(s):

• CCSS-ELA 9-10.L.6, CCSS-ELA 11-12.L.6, CCSS-ELA 9-10.WHST.6., CCSS-ELA 11-12.WHST.6., CCSS-ELA 9-10.SL.2, CCSS-ELA 11-12.SL., CCSS-MATH CC.9-12.A.CED.1, CCSS-MATH CC.9-12.A.REI.1, CCSS-MATH CC.9-12.N.Q.1

Essential Question(s):

- Have all transactions been recorded and properly classified?
- Are all bank and other account reconciliations up to date?
- Are there any impairment considerations for assets?

LEARNING PLAN

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LEARNING OBJECTIVES (Content and Skill)	INSTRUCTIONAL STRATEGIES	ASSESSMENTS		
1. Plan end-of-fiscal period adjustments for a merchandising	Direct Instruction	Discussion questions		
business designed as a corporation	Project-based learning	Application assessments		
2. Calculate federal income tax, plan an adjustment for federal	Differentiated materials provided by the instructor	Mastery/Challenge assessments		
income tax expense, and complete a worksheet.	Peer collaboration	Recycle assessments		
3. Prepare and analyze an income statement for a	Vocabulary instruction	Exit tickets		
merchandising business organized as a corporation.	Simulations			
4. Prepare a statement of stockholders' equity for a	Flexible Groupings	Application Assessment 22-1, 22-2, 22-3,		
merchandising business organized as a corporation	Gamification	and 22-4		
5. Prepare and analyze a balance sheet for a merchandising	Spreadsheet practice	(Analysis D1, D2, D3,D5)		
business organized as a corporation.	Business Simulations			
6. Record adjusting, closing, and reversing entries for a	Peer Teaching	Mastery Assessment 22		
merchandising business organized as a corporation.		(Analysis D1, D2, D3,D5)		
		Recycle Assessment 22		
		(Analysis D1, D2, D3,D5)		
		Reinforcement Activity 3-Part B		
		(Analysis D1, D2, D3, D4, D5)		

Suggested Resources: Century 21 South-Western Accounting 9E, student edition 17-24 working papers and Reinforcement Activity 3-Part B

Unit 8: Accounting for Partnerships

Introduction: Students will learn the advantages and disadvantages of a partnership. The forming of partnerships, the distribution of net income, and also what happens when partnerships are dissolved. They will also calculate the distribution of partnership earnings.

Desired Outcome(s):

Students will be able to:

- Define accounting terms related to forming, dissolving, and distributing the earnings of a partnership
- Identify accounting concepts and practices related to forming, dissolving, and distributing the earnings of a partnership
- Journalize entries related to partnerships

CT Career and Technical Education Performance Standards and Competencies: C.15, C.16, C.17, D.18, D.19

Common Core Standard(s):

• CCSS-ELA 9-10.L.6, CCSS-ELA 11-12.L.6, CCSS-ELA 9-10.WHST.6., CCSS-ELA 11-12.WHST.6., CCSS-ELA 9-10.SL.2, CCSS-ELA 11-12.SL., CCSS-MATH CC.9-12.A.CED.1, CCSS-MATH CC.9-12.A.REI.1, CCSS-MATH CC.9-12.N.Q.1

Essential Question(s):

- How is the partnership structured, and what is the ownership distribution among partners?
- How are partner contributions and withdrawals accounted for?
- How are partner contributions and withdrawals accounted for?

LEARNING PLAN

LEARNING OBJECTIVES (Content and Skill)	INSTRUCTIONAL STRATEGIES	ASSESSMENTS
(Content and Skill) 1. Journalize entries related to forming, dissolving, and distributing the earnings of a partnership. 2. Calculate the distribution of partnership earnings. 3. Prepare a distribution of net income statement for a business organized as a partnership. 4. Prepare an owners' equity statement for a business organized as a partnership.	Direct Instruction Project-based learning Differentiated materials provided by the instructor Peer collaboration Vocabulary instruction Simulations Flexible Groupings Gamification Spreadsheet practice	Discussion questions Application assessments Mastery/Challenge assessments Recycle assessments Exit tickets Application Assessment 23-1, 23-2, 23-3, and 23-4 (Analysis D1, D2, D3, D4, D5) Mastery Assessment 23
	Business Simulations Peer Teaching	(Analysis D1, D2, D3, D4, D5) Challenge Assessment 23 (Analysis D1, D2, D3, D4, D5) Recycle Assessment 23 (Analysis: D1, D2, D3, D4, D5)

Unit 9: Recording International Sales

Introduction: Students will be able to identify accounting concepts and practices related to international and internet sales. How to record international and internet sales.

Desired Outcome(s):

Students will be able to:

- Define accounting terms related to international sales
- Identify accounting concepts and practices related to international sales

CT Career and Technical Education Performance Standards and Competencies: A.1, B.1, B.2, B.3, B.4, B.5, B.6, B.7, B.8, B.9, B.10, B.11, B.12, B.13, B.14, C.15, C.16, C.17

Common Core Standard(s):

• CCSS-ELA 9-10.L.6, CCSS-ELA 11-12.L.6, CCSS-ELA 9-10.WHST.6., CCSS-ELA 11-12.WHST.6., CCSS-ELA 9-10.SL.2, CCSS-ELA 11-12.SL., CCSS-MATH CC.9-12.A.CED.1, CCSS-MATH CC.9-12.A.REI.1, CCSS-MATH CC.9-12.N.Q.1

Essential Question(s):

- What is the currency of the international sales transactions?
- How are the exchange rates determined for recording international sales?
- What is the impact of changes in exchange rates on international sales?

LEARNING PLAN

LEARNING OBJECTIVES (Content and Skill)	INSTRUCTIONAL STRATEGIES	ASSESSMENTS
(Content and Skill) 1. Record transactions of international sales 2. Record transactions for internet sales .	Direct Instruction Project-based learning Differentiated materials provided by the instructor Peer collaboration Vocabulary instruction Simulations Flexible Groupings Gamification Spreadsheet practice Business Simulations Peer Teaching	Discussion questions Application assessments Mastery/Challenge assessments Recycle assessments Exit tickets Application 24-1 and 24-2 (Analysis D1, D2, D3, D4, D5) Mastery 24 (Analysis D1, D2, D3, D4, D5) Challenge 24
		(Analysis D1, D2, D3, D4, D5) Recycle 24 (Analysis D2, D3)