

<b>Mathematics of Finance</b>															
<b>Unit I: Personal Earning Power</b>															
K	1	2	3	4	5	6	7	Pre- Alg	Alg I	Geom	Alg II	MA	P & S	Pre- Cal	AP Cal
<b>Course Outcome</b> The student will use functional relationships related to personal income to understand and compute earnings based on different methods of wage computation and deductions.											<b>PASS Correlation</b> Algebra I II A III A IV A, C			<b>Quarter 1 No. Days 4</b>	
<b>Unit Objective</b> The student will... A. Use rates to categorize and compute components of income.											Algebra II I A1 II B, L			<b>NCTM Standard</b>	
<b>Text Correlation</b> <u>Mathematics of Money with Algebra</u> Chapter 1, 1.1, 1.3, 1.4								<b>Rating</b> 1		<b>Additional Resources</b> <a href="http://www.ou.edu/career/">http://www.ou.edu/career/</a> OU's career services page - research careers <a href="http://www.monster.com/">http://www.monster.com/</a> Job classified online <a href="http://www.oklahomajobsearch.com/cgi-bin/search.cgi?Type=job">http://www.oklahomajobsearch.com/cgi-bin/search.cgi?Type=job</a> Local job classifieds <a href="http://www.tulsaworld.com/classifiedssearch/webclass1.asp#Employment">http://www.tulsaworld.com/classifiedssearch/webclass1.asp#Employment</a> Tulsa World Employment Classifieds <a href="http://www.career-planning.org/">http://www.career-planning.org/</a> Career Planning Resource Directory making money web sites					
<b>Assessment</b>															

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K	1	2	3	4	5	6	7	Pre- Alg	Alg I	Geom	Alg II	MA	P & S	Pre- Cal	AP Cal	
<b>Course Outcome</b> The student will use functional relationships related to personal income to understand and compute earnings based on different methods of wage computation and deductions.											<b>PASS Correlation</b> Algebra I II A III A IV A, C			<b>Quarter 1</b> <b>No. Days</b> <b>4</b>		
<b>Unit Objective</b> The student will... B. Compute and compare earnings based on regular time, overtime, tips, etc. by solving, graphing, and analyzing linear equations.											Algebra II I A1 II B, L			<b>NCTM Standard</b>		
<b>Text Correlation</b> <u>Mathematics of Money with Algebra</u> Chapter 1, 1.1, 1.3, 1.4								<b>Rating</b> 1		<b>Additional Resources</b> <u>JOB SEARCH</u> U.S. Work World's Internet News: America's Career Info Net, Occupational Outlook Handbook Research						
<b>Assessment</b>																

**Mathematics of Finance**

**Unit I: Personal Earning Power**

K	1	2	3	4	5	6	7	Pre- Alg	Alg I	Geom	Alg II	MA	P & S	Pre- Cal	AP Cal

<p><b>Course Outcome</b> The student will use functional relationships related to personal income to understand and compute earnings based on different methods of wage computation and deductions.</p>	<p><b>PASS Correlation</b> Algebra I II A III A IV A, C</p>	<p><b>Quarter 1</b> <b>No. Days</b> <b>4</b></p>
<p><b>Unit Objective</b> The student will... B. Use the graphics calculator to analyze the difference between compensation methods (i.e., hourly rates versus salaried).</p>	<p>Algebra II I A1 II B, L</p>	<p><b>NCTM Standard</b></p>

<p><b>Text Correlation</b> <u>Mathematics of Money with Algebra</u> Chapter 1, 1.1, 1.3, 1.4</p>	<p><b>Rating</b> 1</p>	<p><b>Additional Resources</b></p>
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**Assessment**

**Mathematics of Finance**

**Unit I: Personal Earning Power**

K	1	2	3	4	5	6	7	Pre- Alg	Alg I	Geom	Alg II	MA	P & S	Pre- Cal	AP Cal

<p><b>Course Outcome</b> The student will use functional relationships related to personal income to understand and compute earnings based on different methods of wage computation and deductions.</p>	<p><b>PASS Correlation</b> Algebra I II A III A IV A, C</p>	<p><b>Quarter 1</b> <b>No. Days</b> <b>6</b></p>
<p><b>Unit Objective</b> The student will... C. Compute commissions based on straight commission and item rate using literal equations.</p>	<p>Algebra II I A1 II B, L</p>	<p><b>NCTM Standard</b></p>

<p><b>Text Correlation</b> <u>Mathematics of Money with Algebra</u> Chapter 1, 1.1, 1.3, 1.4</p>	<p><b>Rating</b> 1</p>	<p><b>Additional Resources</b> M•A•T•H</p>
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**Assessment**

<b>Mathematics of Finance</b>															
<b>Unit I: Personal Earning Power</b>															
K	1	2	3	4	5	6	7	Pre- Alg	Alg I	Geom	Alg II	MA	P & S	Pre- Cal	AP Cal
<b>Course Outcome</b> The student will use functional relationships related to personal income to understand and compute earnings based on different methods of wage computation and deductions.											<b>PASS Correlation</b> Algebra I II A III A IV A, C			<b>Quarter 1 No. Days</b>	
<b>Unit Objective</b> The student will... D. Use appropriate percentages to calculate deductions from wages (Social Security/FICA, etc.).											Algebra II I A1 II B, L			<b>NCTM Standard</b>	
<b>Text Correlation</b> <u>Mathematics of Money with Algebra</u> Chapter 1, 1.1, 1.3, 1.4								<b>Rating</b> 1		<b>Additional Resources</b> U.S. Work World’s Internet News: America’s Career InfoNet- Scavenger Hunt, O*NET, Occupational Outlook Handbook; Career Survey Worksheet; Occupational Exploration Sheet; Developing Trends in the Workforce; U.S. Work World’s Job Hunt Tips; U.S. Work World’s Career News/College News; Application/Interview Tips; From the Employer’s Point of View; Teens Working Too Much?; Sexual Harassment; Employers’ Top 15; Career Tips for Teens; A New Way to Lose A Job; Employer Surveillance/Drug Testing; Dangers At Work; Attach Your Transcript Please; Skills Needed By Future Workers					
<b>Assessment</b>															

**Mathematics of Finance**

**Unit II: Financial Management**

K	1	2	3	4	5	6	7	Pre- Alg	Alg I	Geom	Alg II	MA	P & S	Pre- Cal	AP Cal

<p><b>Course Outcome</b> The student will use algebraic formulas, numerical techniques and graphs to solve problems related to financial planning.</p>	<p><b>PASS Correlation</b> Algebra I I B, C II C</p>	<p><b>Quarter 1</b> <b>No. Days</b> <b>7</b></p>
<p><b>Unit Objective</b> The student will...</p> <p>A. Explore types of checking accounts at different financial institutions, estimating check charges or amount earned on average balances</p> <p>1. Use systems of equations to compare financial benefits</p>	<p>Algebra II II B, H, J, K, L</p>	<p><b>NCTM Standard</b></p>

<p><b>Text Correlation</b> <u>Mathematics of Money with Algebra</u> Chapter 2, 5, 6</p>	<p><b>Rating</b> 1</p>	<p><b>Additional Resources</b> Checks (Federal Reserve Bank of Dallas) Video Checks (Study Master 5A) Banking Services Web Sites</p>
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**Assessment**

<b>Mathematics of Finance</b>															
<b>Unit II: Financial Management</b>															
K	1	2	3	4	5	6	7	Pre- Alg	Alg I	Geom	Alg II	MA	P & S	Pre- Cal	AP Cal
<b>Course Outcome</b> The student will use algebraic formulas, numerical techniques and graphs to solve problems related to financial planning.											<b>PASS Correlation</b> Algebra I I B, C II C			<b>Quarter 1</b> <b>No. Days</b> 7	
<b>Unit Objective</b> The student will... B. Define credit and list the advantages and disadvantages of using credit rather than cash.											Algebra II II B, H, J, K, L			<b>NCTM Standard</b>	
<b>Text Correlation</b> <u>Mathematics of Money with Algebra</u> Chapter 2, 5, 6								<b>Rating</b> 1		<b>Additional Resources</b> Credit Card Web Sites; Reteaching Worksheet 3-3 - Applications: Buying on Credit; A New Way to Lose A Job; Credit History and Employment; Understanding Credit; Revolving Credit; Your Credit Rating (Credit Restoration 1 2 3); Consumer Credit Counseling (Speaker); Buying on Credit; <a href="http://www.bankrate.com/brm/default.asp">www.bankrate.com/brm/default.asp</a> ; <a href="http://www.banx.com">www.banx.com</a> ; <a href="http://www.nfcc.org">www.nfcc.org</a> ; <a href="http://www.daveramsey.com">www.daveramsey.com</a>					
<b>Assessment</b>															

<b>Mathematics of Finance</b>																
<b>Unit II: Financial Management</b>																
K	1	2	3	4	5	6	7	Pre- Alg	Alg I	Geom	Alg II	MA	P & S	Pre- Cal	AP Cal	
<b>Course Outcome</b> The student will use algebraic formulas, numerical techniques and graphs to solve problems related to financial planning.											<b>PASS Correlation</b> Algebra I I B, C II C			<b>Quarter 1</b> <b>No. Days</b> <b>6</b>		
<b>Unit Objective</b> The student will... C. Use various mathematical models in analyzing advantages and disadvantages in retail purchasing.											Algebra II II B, H, J, K, L			<b>NCTM Standard</b>		
<b>Text Correlation</b> <u>Mathematics of Money with Algebra</u> Chapter 2, 5, 6								<b>Rating</b> 1		<b>Additional Resources</b> Resolving Credit Problems Fair Debt Collection Practices Act Handout						
<b>Assessment</b>																

**Mathematics of Finance**

**Unit II: Financial Management**

K	1	2	3	4	5	6	7	Pre- Alg	Alg I	Geom	Alg II	MA	P & S	Pre- Cal	AP Cal

<p><b>Course Outcome</b> The student will use algebraic formulas, numerical techniques and graphs to solve problems related to financial planning.</p>	<p><b>PASS Correlation</b> Algebra I I B, C II C</p>	<p><b>Quarter</b> 2 <b>No. Days</b> 2</p>
<p><b>Unit Objective</b> The student will... D. Use the rules of exponents to determine prepayment amount paid on a loan by using</p> $A = \frac{m(1 - (1 + r)^{-q})}{r}$	<p>Algebra II II B, H, J, K, L</p>	<p><b>NCTM Standard</b></p>

<p><b>Text Correlation</b> <u>Mathematics of Money with Algebra</u> Chapter 2, 5, 6</p>	<p><b>Rating</b> 1</p>	<p><b>Additional Resources</b> Prepayment Activity</p>
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**Assessment**

<b>Mathematics of Finance</b>															
<b>Unit II: Financial Management</b>															
K	1	2	3	4	5	6	7	Pre- Alg	Alg I	Geom	Alg II	MA	P & S	Pre- Cal	AP Cal
<b>Course Outcome</b> The student will use algebraic formulas, numerical techniques and graphs to solve problems related to financial planning.											<b>PASS Correlation</b> Algebra I I B, C II C			<b>Quarter</b> 2 <b>No. Days</b> 3	
<b>Unit Objective</b> The student will... E. Create an amortization schedule for a loan by using iterations, Internet, calculator, or spreadsheets to demonstrate changes in loan payoffs by changing monthly payments, interest rate, or years.											Algebra II II B, H, J, K, L			<b>NCTM Standard</b>	
<b>Text Correlation</b> <u>Mathematics of Money with Algebra</u> Chapter 2, 5, 6								<b>Rating</b> 1		<b>Additional Resources</b> <a href="http://www.freemortgageanalyzer.com/mortgage/mortgage.html">http://www.freemortgageanalyzer.com/mortgage/mortgage.html</a> Amortization Table (Explorations)					
<b>Assessment</b>															

**Mathematics of Finance**

**Unit II: Financial Management**

K	1	2	3	4	5	6	7	Pre- Alg	Alg I	Geom	Alg II	MA	P & S	Pre- Cal	AP Cal

<p><b>Course Outcome</b> The student will use algebraic formulas, numerical techniques and graphs to solve problems related to financial planning.</p>	<p><b>PASS Correlation</b> Algebra I I B, C II C</p>	<p><b>Quarter</b> 2 <b>No. Days</b> 2</p>
<p><b>Unit Objective</b> The student will... F. Use exponential and logarithmic models to determine consequences of credit limits and interest charges.</p>	<p>Algebra II II B, H, J, K, L</p>	<p><b>NCTM Standard</b></p>

<p><b>Text Correlation</b> <u>Mathematics of Money with Algebra</u> Chapter 2, 5, 6</p>	<p><b>Rating</b> 1</p>	<p><b>Additional Resources</b> About Credit Web Sites</p>
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**Assessment**

**Mathematics of Finance**

**Unit II: Financial Management**

K	1	2	3	4	5	6	7	Pre- Alg	Alg I	Geom	Alg II	MA	P & S	Pre- Cal	AP Cal

<p><b>Course Outcome</b> The student will use algebraic formulas, numerical techniques and graphs to solve problems related to financial planning.</p>	<p><b>PASS Correlation</b> Algebra I I B, C II C</p>	<p><b>Quarter 2</b> <b>No. Days 2</b></p>
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<p><b>Unit Objective</b> The student will...</p> <p>G. Use formulas to calculate information and payment penalties on credit card accounts:</p> <ol style="list-style-type: none"> <li>1. Average daily balances  <math display="block">b = \frac{\Sigma \text{ of daily balances}}{\text{Total Days}}</math> </li> <li>2. Effective interest rate  <math display="block">i_{eff} = \left(1 + \frac{i}{12}\right)^{12} - 1</math> </li> <li>3. Payoff time  <math display="block">n = \frac{\log\left(\frac{M}{M-P}\right)}{\log(1+r)}</math> </li> <li>4. Monthly payment  <math display="block">M = \frac{Pr(1+r)^n}{(1+r)^n - 1}</math> </li> </ol>	<p>Algebra II II B, H, J, K, L</p>	<p><b>NCTM Standard</b></p>
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<p><b>Text Correlation</b> <u>Mathematics of Money with Algebra</u> Chapter 2, 5, 6</p>	<p><b>Rating</b> 1</p>	<p><b>Additional Resources</b> <a href="http://ray.met.fsu.edu/cgi-bin/amortize">http://ray.met.fsu.edu/cgi-bin/amortize</a> Interest Rates Worksheet</p>
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<p><b>Assessment</b></p>
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<b>Mathematics of Finance</b>															
<b>Unit V: Budgeting</b>															
K	1	2	3	4	5	6	7	Pre- Alg	Alg I	Geom	Alg II	MA	P & S	Pre- Cal	AP Cal
<b>Course Outcome</b> The student will analyze the components of developing a useful, personal budget.											<b>PASS Correlation</b> Algebra I I A II M		<b>Quarter 2</b> <b>No. Days</b> <b>10</b>		
<b>Unit Objective</b> The student will... A. Identify essential and non-essential monthly expenses. 1. Housing 2. Food 3. Transportation 4. Personal needs 5. Entertainment 6. Medical 7. Miscellaneous (child care, schooling, etc.)											Algebra II II L		<b>NCTM Standard</b>		
<b>Text Correlation</b> Mathematics of Money with Algebra Chapter 3, 14								<b>Rating</b> 1		<b>Additional Resources</b> <a href="http://ray.met.fsu.edu/~bret/amortize.html">http://ray.met.fsu.edu/~bret/amortize.html</a> <a href="http://www.freemortgageanalyzer.com">http://www.freemortgageanalyzer.com</a> <a href="http://www.octfcu.org/calculators/java1/homebudget.html">http://www.octfcu.org/calculators/java1/homebudget.html</a> Young Adult - Spending Analysis Unit The Art of Budgeting Unit					
<b>Assessment</b>															

**Mathematics of Finance**

**Unit V: Budgeting**

K	1	2	3	4	5	6	7	Pre- Alg	Alg I	Geom	Alg II	MA	P & S	Pre- Cal	AP Cal

<p><b>Course Outcome</b> The student will analyze the components of developing a useful, personal budget.</p>	<p><b>PASS Correlation</b> Algebra I I A II M</p>	<p><b>Quarter 2</b> <b>No. Days 10</b></p>
<p><b>Unit Objective</b> The student will... B. Develop a monthly budget and determine ways to control expenses.</p>	<p>Algebra II II L</p>	<p><b>NCTM Standard</b></p>

<p><b>Text Correlation</b> <u>Mathematics of Money with Algebra</u> Chapter 3, 14</p>	<p><b>Rating</b> 1</p>	<p><b>Additional Resources</b> <a href="http://ray.met.fsu.edu/~bret/amortize.html">http://ray.met.fsu.edu/~bret/amortize.html</a> <a href="http://www.freemortgageanalyzer.com">http://www.freemortgageanalyzer.com</a> Biography: Alan Greenspan, Man Behind the Money (A&amp;E); The Busiest Bank In Town (Federal Reserve Bank of Dallas); The FED TODAY (Federal Reserve Bank of Philadelphia); Federal Reserve System Speaker; Financial Budget Project (can be used at the end as a final project)</p>
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**Assessment**

<b>Mathematics of Finance</b>																
<b>Unit V: Budgeting</b>																
K	1	2	3	4	5	6	7	Pre- Alg	Alg I	Geom	Alg II	MA	P & S	Pre- Cal	AP Cal	
<b>Course Outcome</b> The student will analyze the components of developing a useful, personal budget.											<b>PASS Correlation</b> Algebra I I A II M			<b>Quarter 2</b> <b>No. Days 5</b>		
<b>Unit Objective</b> The student will... C. Savings 1. Identify and compare different types of savings accounts.											Algebra II II L			<b>NCTM Standard</b>		
<b>Text Correlation</b> <u>Mathematics of Money with Algebra</u> Chapter 3, 14								<b>Rating</b> 1		<b>Additional Resources</b> <a href="http://www.freemortgageanalyzer.com">http://www.freemortgageanalyzer.com</a> <a href="http://ray.met.fsu.edu/~bret/amortize.html">http://ray.met.fsu.edu/~bret/amortize.html</a> Saving and Investing Web Sites Lesson Twelve - saving and investing						
<b>Assessment</b>																

<b>Mathematics of Finance</b>															
<b>Unit V: Budgeting</b>															
K	1	2	3	4	5	6	7	Pre- Alg	Alg I	Geom	Alg II	MA	P & S	Pre- Cal	AP Cal
<b>Course Outcome</b> The student will analyze the components of developing a useful, personal budget.											<b>PASS Correlation</b> Algebra I I A II M			<b>Quarter 2 No. Days 5</b>	
<b>Unit Objective</b> The student will... D. Use the exponential growth model and the Rule of 72 to compute compound interest.											Algebra II II L			<b>NCTM Standard</b>	
<b>Text Correlation</b> <u>Mathematics of Money with Algebra</u> Chapter 3, 14								<b>Rating</b> 1		<b>Additional Resources</b> <a href="http://www.freemortgageanalyzer.com">http://www.freemortgageanalyzer.com</a> <a href="http://ray.met.fsu.edu/~bret/amortize.html">http://ray.met.fsu.edu/~bret/amortize.html</a> Chapter 4 - Compound Interest Reteaching Worksheet 10-8 - Interest Reteaching Worksheet 10-9 - Applications: Compound Interest					
<b>Assessment</b>															

<b>Mathematics of Finance</b>															
<b>Unit III: Federal Income Tax</b>															
K	1	2	3	4	5	6	7	Pre- Alg	Alg I	Geom	Alg II	MA	P & S	Pre- Cal	AP Cal
<b>Course Outcome</b> The student will be able to compute Federal Income Tax using compound inequalities and optimization methods.											<b>PASS Correlation</b> Algebra I I A II H, J, K, M			<b>Quarter 3</b> <b>No. Days 15</b>	
<b>Unit Objective</b> The student will... A. Analyze and use forms W-2, 1040EZ, 1040A, and 1040 in computing Federal Income Tax.														<b>NCTM Standard</b>	
<b>Text Correlation</b> <u>Mathematics of Money with Algebra</u> Chapter 9								<b>Rating</b> 1		<b>Additional Resources</b> <a href="http://www.irs.gov/tax/">http://www.irs.gov/tax/</a> Understanding Oklahoma Taxes packet Understanding Federal Taxes packet Tax Crossword Puzzle Blank W2/1099-INT Forms Electronic Filing Unit					
<b>Assessment</b>															

<b>Mathematics of Finance</b>																
<b>Unit III: Federal Income Tax</b>																
K	1	2	3	4	5	6	7	Pre- Alg	Alg I	Geom	Alg II	MA	P & S	Pre- Cal	AP Cal	
<b>Course Outcome</b> The student will be able to compute Federal Income Tax using compound inequalities and optimization methods.											<b>PASS Correlation</b> Algebra I I A II H, J, K, M			<b>Quarter 3</b> <b>No. Days 3</b>		
<b>Unit Objective</b> The student will... B. Calculate various itemized deductions.														<b>NCTM Standard</b>		
<b>Text Correlation</b> <u>Mathematics of Money with Algebra Chapter 9</u>								<b>Rating</b> 1		<b>Additional Resources</b> <a href="http://www.irs.gov/tax/">http://www.irs.gov/tax/</a> Curriculum Guide Activity Internal Revenue Service - The Digital Daily						
<b>Assessment</b>																

<b>Mathematics of Finance</b>															
<b>Unit III: Federal Income Tax</b>															
K	1	2	3	4	5	6	7	Pre- Alg	Alg I	Geom	Alg II	MA	P & S	Pre- Cal	AP Cal
<b>Course Outcome</b> The student will be able to compute Federal Income Tax using compound inequalities and optimization methods.											<b>PASS Correlation</b> Algebra II II B			<b>Quarter 3</b> <b>No. Days 2</b>	
<b>Unit Objective</b> The student will... C. Explore Federal Withholding Tax as a piecewise linear function.														<b>NCTM Standard</b>	
<b>Text Correlation</b> Mathematics of Money with Algebra Chapter 9							<b>Rating</b> 1		<b>Additional Resources</b> <a href="http://www.irs.gov/tax/">http://www.irs.gov/tax/</a>						
<b>Assessment</b>															

<b>Mathematics of Finance</b>															
<b>Unit III: Investments in Stocks</b>															
K	1	2	3	4	5	6	7	Pre- Alg	Alg I	Geom	Alg II	MA	P & S	Pre- Cal	AP Cal
<b>Course Outcome</b> The students will compare investments including stocks, bonds, and mutual funds. The students will examine and calculate a stock portfolio, monitoring the loss and gain.											<b>PASS Correlation</b>			<b>Quarter 3</b> <b>No. Days 20</b>	
<b>Unit Objective</b>											<b>NCTM Standard</b>				
<b>Text Correlation</b> 8.1, 8.2, 8.4					<b>Rating</b>		<b>Additional Resources</b> Understanding Investments (Thumbs Up Video Productions); <a href="http://www.tulsaworld.com">www.tulsaworld.com</a> (Newspapers in Education) Pick a Portfolio Contest; A History of the Dow (Wall Street Journal Video); The Stock Exchange (The History Channel Video); “Playing the Market” simulation; saving and investing web sites <u>Stock Market Resources:</u> <a href="http://www.ichallenge.net/ushs/challenge_details.asp">http://www.ichallenge.net/ushs/challenge_details.asp</a> Investment Challenge vs. other High Schools <a href="http://stocksquest.thinkquest.org/C001759/lesson/lesson1.htm">http://stocksquest.thinkquest.org/C001759/lesson/lesson1.htm</a> Stock Market basics - Lesson Plans <a href="http://stocksquest.thinkquest.org/10326/marketsimulation/educator.html?tqskip=1">http://stocksquest.thinkquest.org/10326/marketsimulation/educator.html?tqskip=1</a> Free stock market game <a href="http://www.marketplayer.com/comp/">http://www.marketplayer.com/comp/</a> Monthly stock competition-can setup your own competition for all your students to compete against each other. <a href="http://www.smgww.org/content_teachers3.html">http://www.smgww.org/content_teachers3.html</a> \$20 contest to compete against other Oklahoma schools in trading stocks <a href="http://investormap.com/exch-virtual.htm">http://investormap.com/exch-virtual.htm</a> Listing of many stock exchange simulations “Playing the Market” Simulation Saving and Investing Web Sites								
<b>Assessment</b>															

<b>Mathematics of Finance</b>															
<b>Unit IV: Travel Planning</b>															
<b>K</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>Pre- Alg</b>	<b>Alg I</b>	<b>Geom</b>	<b>Alg II</b>	<b>MA</b>	<b>P &amp; S</b>	<b>Pre- Cal</b>	<b>AP Cal</b>
<b>Course Outcome</b> The student will examine the aspects of making travel plans and will calculate the costs involved.											<b>PASS Correlation</b>			<b>Quarter 4 No. Days 7</b>	
<b>Unit Objective</b> The student will plan a trip, documenting all expenses.											<b>PASS Correlation</b>			<b>NCTM Standard</b>	
<b>Text Correlation</b> 11.1, 11.2, 11.3							<b>Rating</b>		<b>Additional Resources</b> Reteaching Worksheet 9-7 - Applications: Planning a Trip Trip Planning Projects Distance Calculating						
<b>Assessment</b>															

<b>Mathematics of Finance</b>																
<b>Unit IV: Financial Transactions</b>																
K	1	2	3	4	5	6	7	Pre- Alg	Alg I	Geom	Alg II	MA	P & S	Pre- Cal	AP Cal	
<b>Course Outcome</b> The student will investigate the financial aspects of making major purchases (i.e., automobiles, homes, etc.), using linear functions and direct variation to make decisions in budgeting.											<b>PASS Correlation</b> Algebra I IC 1 II C, L IV A, C			<b>Quarter 4</b> <b>No. Days 2</b>		
<b>Unit Objective</b> The student will... B. Calculate the cost of operating a car 1. Fuel usage and maintenance											Algebra II II J			<b>NCTM Standard</b>		
<b>Text Correlation</b> <u>Mathematics of Money with Algebra</u> Chapter 10, 12								<b>Rating</b> 1		<b>Additional Resources</b> <a href="http://ray.met.fsu.edu/~bret/amortize.html">http://ray.met.fsu.edu/~bret/amortize.html</a> Cars and Loans Web Site						
<b>Assessment</b>																

**Mathematics of Finance**

**Unit IV: Financial Transactions**

K	1	2	3	4	5	6	7	Pre- Alg	Alg I	Geom	Alg II	MA	P & S	Pre- Cal	AP Cal

<p><b>Course Outcome</b> The student will investigate the financial aspects of making major purchases (i.e., automobiles, homes, etc.), using linear functions and direct variation to make decisions in budgeting.</p>	<p><b>PASS Correlation</b> Algebra I IC 1 II C, L IV A, C</p>	<p><b>Quarter</b> <b>4</b> <b>No. Days</b> <b>2</b></p>
<p><b>Unit Objective</b> The student will... B. Calculate the cost of operating a car 2. Linear vs. exponential depreciation</p>	<p>Algebra II II J</p>	<p><b>NCTM Standard</b></p>

<p><b>Text Correlation</b> <u>Mathematics of Money with Algebra</u> Chapter 10, 12</p>	<p><b>Rating</b> 1</p>	<p><b>Additional Resources</b> <a href="http://ray.met.fsu.edu/~bret/amortize.html">http://ray.met.fsu.edu/~bret/amortize.html</a></p>
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**Assessment**

**Mathematics of Finance**

**Unit IV: Financial Transactions**

K	1	2	3	4	5	6	7	Pre- Alg	Alg I	Geom	Alg II	MA	P & S	Pre- Cal	AP Cal

<p><b>Course Outcome</b> The student will investigate the financial aspects of making major purchases (i.e., automobiles, homes, etc.), using linear functions and direct variation to make decisions in budgeting.</p>	<p><b>PASS Correlation</b> Algebra I IC 1 II C, L IV A, C</p>	<p><b>Quarter</b> <b>4</b> <b>No. Days</b> <b>2</b></p>
<p><b>Unit Objective</b> The student will.. B. Calculate the cost of operating a car. 3. Insurance cost based on rate factors</p>	<p>Algebra II II J</p>	<p><b>NCTM Standard</b></p>

<p><b>Text Correlation</b> <u>Mathematics of Money with Algebra</u> Chapter 10, 12</p>	<p><b>Rating</b> 1</p>	<p><b>Additional Resources</b> <a href="http://ray.met.fsu.edu/~bret/amortize.html">http://ray.met.fsu.edu/~bret/amortize.html</a> Insurance Agent Speaker</p>
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**Assessment**

**Mathematics of Finance**

**Unit IV: Financial Transactions**

K	1	2	3	4	5	6	7	Pre- Alg	Alg I	Geom	Alg II	MA	P & S	Pre- Cal	AP Cal

<p><b>Course Outcome</b> The student will investigate the financial aspects of making major purchases (i.e., automobiles, homes, etc.), using linear functions and direct variation to make decisions in budgeting.</p>	<p><b>PASS Correlation</b> Algebra I IC 1 II C, L IV A, C</p>	<p><b>Quarter</b> <b>4</b> <b>No. Days</b> <b>8</b></p>
<p><b>Unit Objective</b> The student will... B. Calculate the cost of operating a car. 1. Ownership vs. leasing</p>	<p>Algebra II II J</p>	<p><b>NCTM Standard</b></p>

<p><b>Text Correlation</b> <u>Mathematics of Money with Algebra</u> Chapter 10, 12</p>	<p><b>Rating</b> 1</p>	<p><b>Additional Resources</b>  <a href="http://ray.met.fsu.edu/~bret/amortize.html">http://ray.met.fsu.edu/~bret/amortize.html</a>  <a href="http://www.autotrader.com">www.autotrader.com</a>  <a href="http://www.bigchalk.com">www.bigchalk.com</a> (Used Car Activity, High School: Basic Math and Finance Investment)  <a href="http://www.autosite.com">www.autosite.com</a>  <a href="http://www.carseverything.com">www.carseverything.com</a>  <a href="http://www.edmunds.com">www.edmunds.com</a>  <a href="http://www.carsafety.org">www.carsafety.org</a>  <a href="http://www.consumerreports.org/main/hom.jsp">www.consumerreports.org/main/hom.jsp</a>  <a href="http://www.carbuyingtips.com">www.carbuyingtips.com</a>  <a href="http://www.kbb.com">www.kbb.com</a>                      New Vehicle Project</p>
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**Assessment**

**Mathematics of Finance**

**Unit IV: Financial Transactions**

K	1	2	3	4	5	6	7	Pre- Alg	Alg I	Geom	Alg II	MA	P & S	Pre- Cal	AP Cal

<p><b>Course Outcome</b> The student will investigate the financial aspects of making major purchases (i.e., automobiles, homes, etc.), using linear functions and direct variation to make decisions in budgeting.</p>	<p><b>PASS Correlation</b> Algebra I IC 1 II C, L IV A, C</p>	<p><b>Quarter</b> <b>4</b> <b>No. Days</b> <b>7</b></p>
<p><b>Unit Objective</b> The student will... C. Examine the variables in buying, owning, and selling a house. 1. Renting vs. owning</p>	<p>Algebra II II J</p>	<p><b>NCTM Standard</b></p>

<p><b>Text Correlation</b> <u>Mathematics of Money with Algebra</u> Chapter 10, 12</p>	<p><b>Rating</b> 1</p>	<p><b>Additional Resources</b>  <a href="http://ray.met.fsu.edu/~bret/amortize.html">http://ray.met.fsu.edu/~bret/amortize.html</a>  <a href="http://www.rent.com/">http://www.rent.com/</a>  <a href="http://www.freemortgageanalyzer.com">http://www.freemortgageanalyzer.com</a>  <a href="http://www.quotesmith.com/">http://www.quotesmith.com/</a>  <a href="http://loan.yahoo.com/m/">http://loan.yahoo.com/m/</a>  <a href="http://www.realtor.com/">http://www.realtor.com/</a>  <a href="http://www.openhouseok.com/">http://www.openhouseok.com/</a>                      Rent vs. Own Calculator  <a href="http://www.home-owners-insurance-quotes-online.com/">http://www.home-owners-insurance-quotes-online.com/</a>                      Buying a Home Web Sites                      Buying a Home Unit                      Living on Your Own Web Sites</p>
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**Assessment**

**Mathematics of Finance**

**Unit IV: Financial Transactions**

K	1	2	3	4	5	6	7	Pre- Alg	Alg I	Geom	Alg II	MA	P & S	Pre- Cal	AP Cal

<p><b>Course Outcome</b> The student will investigate the financial aspects of making major purchases (i.e., automobiles, homes, etc.), using linear functions and direct variation to make decisions in budgeting.</p>	<p><b>PASS Correlation</b> Algebra I IC 1 II C, L IV A, C</p>	<p><b>Quarter</b> <b>4</b> <b>No. Days</b> <b>2</b></p>
<p><b>Unit Objective</b> The student will... C. Examine the variables in buying, owning, and selling a house. 2. Qualifying for a loan</p>	<p>Algebra II II J</p>	<p><b>NCTM Standard</b></p>

<p><b>Text Correlation</b> <u>Mathematics of Money with Algebra</u> Chapter 10, 12</p>	<p><b>Rating</b> 1</p>	<p><b>Additional Resources</b> <a href="http://ray.met.fsu.edu/~bret/amortize.html">http://ray.met.fsu.edu/~bret/amortize.html</a> <a href="http://www.freemortgageanalyzer.com">http://www.freemortgageanalyzer.com</a> Loans and Mortgages Calculator Activity</p>
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**Assessment**

**Mathematics of Finance**

**Unit IV: Financial Transactions**

K	1	2	3	4	5	6	7	Pre- Alg	Alg I	Geom	Alg II	MA	P & S	Pre- Cal	AP Cal

<p><b>Course Outcome</b> The student will investigate the financial aspects of making major purchases (i.e., automobiles, homes, etc.), using linear functions and direct variation to make decisions in budgeting.</p>	<p><b>PASS Correlation</b> Algebra I IC 1 II C, L IV A, C</p>	<p><b>Quarter</b> <b>4</b> <b>No. Days</b> <b>2</b></p>
<p><b>Unit Objective</b> The student will... C. Examine the variables in buying, owning, and selling a house. 3. Types of homes</p>	<p>Algebra II II J</p>	<p><b>NCTM Standard</b></p>

<p><b>Text Correlation</b> <u>Mathematics of Money with Algebra</u> Chapter 10, 12</p>	<p><b>Rating</b> 1</p>	<p><b>Additional Resources</b> <a href="http://ray.met.fsu.edu/~bret/amortize.html">http://ray.met.fsu.edu/~bret/amortize.html</a> <a href="http://www.freemortgageanalyzer.com">http://www.freemortgageanalyzer.com</a> <a href="http://www.realtor.com/">http://www.realtor.com/</a> <a href="http://www.openhouseok.com/">http://www.openhouseok.com/</a></p>
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**Assessment**

Mathematics of Finance															
Unit IV: Financial Transactions															
K	1	2	3	4	5	6	7	Pre- Alg	Alg I	Geom	Alg II	MA	P & S	Pre- Cal	AP Cal
<b>Course Outcome</b> The student will investigate the financial aspects of making major purchases (i.e., automobiles, homes, etc.), using linear functions and direct variation to make decisions in budgeting.											<b>PASS Correlation</b> Algebra I IC 1 II C, L IV A, C			<b>Quarter</b> <b>4</b> <b>No. Days</b> <b>4</b>	
<b>Unit Objective</b> The student will... C. Examine the variables in buying, owning, and selling a house. 4. Monthly payment $\frac{Pr(1+r)^n}{(1+r)^n - 1}$											Algebra II II J			<b>NCTM Standard</b>	
<b>Text Correlation</b> <u>Mathematics of Money with Algebra</u> Chapter 10, 12								<b>Rating</b> 1		<b>Additional Resources</b> <a href="http://ray.met.fsu.edu/~bret/amortize.html">http://ray.met.fsu.edu/~bret/amortize.html</a> <a href="http://www.freemortgageanalyzer.com">http://www.freemortgageanalyzer.com</a> Buying a Home Activity					
<b>Assessment</b>															

**Mathematics of Finance**

**Unit IV: Financial Transactions**

K	1	2	3	4	5	6	7	Pre- Alg	Alg I	Geom	Alg II	MA	P & S	Pre- Cal	AP Cal

<p><b>Course Outcome</b> The student will investigate the financial aspects of making major purchases (i.e., automobiles, homes, etc.), using linear functions and direct variation to make decisions in budgeting.</p>	<p><b>PASS Correlation</b> Algebra I IC 1 II C, L IV A, C</p>	<p><b>Quarter</b> <b>4</b> <b>No. Days</b> <b>2</b></p>
<p><b>Unit Objective</b> The student will... C. Examine the variables in buying, owning, and selling a house. 5. Operating and maintenance costs</p>	<p>Algebra II II J</p>	<p><b>NCTM Standard</b></p>

<p><b>Text Correlation</b> <u>Mathematics of Money with Algebra</u> Chapter 10, 12</p>	<p><b>Rating</b> 1</p>	<p><b>Additional Resources</b> <a href="http://ray.met.fsu.edu/~bret/amortize.html">http://ray.met.fsu.edu/~bret/amortize.html</a> <a href="http://www.freemortgageanalyzer.com">http://www.freemortgageanalyzer.com</a></p>
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**Assessment**

**Mathematics of Finance**

**Unit IV: Financial Transactions**

K	1	2	3	4	5	6	7	Pre- Alg	Alg I	Geom	Alg II	MA	P & S	Pre- Cal	AP Cal

<p><b>Course Outcome</b> The student will investigate the financial aspects of making major purchases (i.e., automobiles, homes, etc.), using linear functions and direct variation to make decisions in budgeting.</p>	<p><b>PASS Correlation</b> Algebra I IC 1 II C, L IV A, C</p>	<p><b>Quarter</b> <b>4</b> <b>No. Days</b> <b>2</b></p>
<p><b>Unit Objective</b> The student will... C. Examine the variables in buying, owning, and selling a house. 2. Tax considerations</p>	<p>Algebra II II J</p>	<p><b>NCTM Standard</b></p>

<p><b>Text Correlation</b> <u>Mathematics of Money with Algebra</u> Chapter 10, 12</p>	<p><b>Rating</b> 1</p>	<p><b>Additional Resources</b> <a href="http://ray.met.fsu.edu/~bret/amortize.html">http://ray.met.fsu.edu/~bret/amortize.html</a> <a href="http://www.freemortgageanalyzer.com">http://www.freemortgageanalyzer.com</a></p>
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**Assessment**

