

Math for Personal Financial Management

Grade: 10-12 Content: Mathematics Teacher(s): S. Yonta

	Time period (month? Weeks? Quarter?)	Focus Standard	Assessment	Essential Question	Resources	Differentiation
Unit 1						
Basic Math Skills: Workshops						
Workshops 1-16	8 days	Standard 2 <ul style="list-style-type: none"> 1.1 1.2 1.3 2.2 2.3 Standard 3 <ul style="list-style-type: none"> 3.2 	<ul style="list-style-type: none"> Workshop Quiz Career Exploration Mini Presentation 		<ul style="list-style-type: none"> Text - Skills section 	<ul style="list-style-type: none"> Can review throughout course
Unit 2: Managing Your Money						
Chapter 1: Gross Income	7 days	Standard 3 <ul style="list-style-type: none"> 1.2 1.4 1.5 1.6 3.5 	<ul style="list-style-type: none"> Test Career Exploration cont 	<ul style="list-style-type: none"> What are the benefits of being paid an hourly rate? Salary vs 	<ul style="list-style-type: none"> <u>FLSA</u> <u>NYS mim. wage</u> 	<ul style="list-style-type: none"> Students have a job, receive paycheck? What careers

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				Commission hourly vs hourly?		may be paid a salary, commission, hourly, combination?
Chapter 2: Net Income	6 days	Standard 3 <ul style="list-style-type: none"> 1.1, 1.2, 1.3 All Objective 2 	<ul style="list-style-type: none"> Test W4 W2 1040EZ 	<ul style="list-style-type: none"> What is the difference between gross/net income? State Income Tax, when to file? Graduated income tax? Gov't use tax? 	<ul style="list-style-type: none"> NY paycheck calc 	<ul style="list-style-type: none"> Knowledge of taxes/deductions students have?
Chapter 3: Recordkeeping	6 days	Standard 4 <ul style="list-style-type: none"> 1.1-7 1.11 1.12 Standard 1	<ul style="list-style-type: none"> Quiz Performance assessment given a 	<ul style="list-style-type: none"> What are monthly expenses? How do 	<ul style="list-style-type: none"> Excel budget tools (mint, 	<ul style="list-style-type: none"> Examples of fixed and annual expense

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		<ul style="list-style-type: none"> 1.2 1.5 Standard 3 <ul style="list-style-type: none"> 3.1 	budget	you compute total monthly expenses?	<ul style="list-style-type: none"> acorn, alb ert) Excelstor Scholars hip Federal Student Aid - Budgetin g 	s
Chapter 4: Checking Accounts	5 days	Standard 4 <ul style="list-style-type: none"> 1.8-10 1.13 	<ul style="list-style-type: none"> Test Balance checkbook activity 	<ul style="list-style-type: none"> What is a deposit? Written a check? What is an account balance? What is a service charge? Reconcil e a bank statemen t? Online banking services? 	<ul style="list-style-type: none"> Physical checks Account Balancein g Activity 	<ul style="list-style-type: none"> Bank statemen t reconcilia tion - what happens if writing checks and not enough money in account?
Chapter 5: Savings Accounts	8 days	Standard 5 <ul style="list-style-type: none"> 1.1-3 3.1 	<ul style="list-style-type: none"> Quiz Test 	<ul style="list-style-type: none"> Do you have a savings 	<ul style="list-style-type: none"> Deposits, withdraw al slips 	<ul style="list-style-type: none"> What do students know

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		<ul style="list-style-type: none"> • 3.2 • 3.4 • 4.6 Standard 2 <ul style="list-style-type: none"> • 3.1 • 3.3 • 2.1 		<ul style="list-style-type: none"> • account? • What information does an account statement show? • What three factors affect simple interest? • What is compound interest? • What is an annuity? 	<ul style="list-style-type: none"> • <u>Compound Interest Calculator</u> 	<ul style="list-style-type: none"> • about savings accounts already?
Unit 3: Managing Your Expenses						
Chapter 6: Cash Purchases	5 days	Standard 6 <ul style="list-style-type: none"> • 1.1 • 1.2 	<ul style="list-style-type: none"> • Test • Go shopping activity 	<ul style="list-style-type: none"> • What are some items on which you paid sales tax? • What is included 	<ul style="list-style-type: none"> • Text - Spreadsheets Comparison shopping 	<ul style="list-style-type: none"> • Vocab - Markdown vs. markdown rate

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				<ul style="list-style-type: none">• in an items total purchase price?• Have you ever made a purchase based on unit pricing?• What kinds of products do you buy based on comparing prices?• Have you ever mailed in a rebate form?• What is markdown?• What is the formula for % paid?		
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<p>Chapter 7: Charge Accounts and Credit Cards</p>	<p>8 days</p>	<p>Standard 4</p> <ul style="list-style-type: none"> • 2.1 • 2.3 • 2.4 • 2.6 • 2.7 • 3.2 • 3.5 • 3.6 • 3.8 • 4.1-6 	<ul style="list-style-type: none"> • Test • Credit Card Project (All about credit) 	<ul style="list-style-type: none"> • What is a credit card? • What is the finance charge based on when using the unpaid balance method? 	<ul style="list-style-type: none"> • <u>Gov - Credit History</u> • <u>Next Gen Personal Finance - Intro to Credit</u> • <u>Identity Theft</u> • <u>Consumer Protection</u> 	<ul style="list-style-type: none"> • Glossary • Advantages/Disadvantages of using credit card (graphic organizer)
<p>Chapter 8: Loans</p>	<p>8 days</p>	<p>Standard 2</p> <ul style="list-style-type: none"> • 3.2 • 3.4 <p>Standard 4</p> <ul style="list-style-type: none"> • 2.2 • 2.5 • 2.7 • 3.3 • 3.4 • 3.7 • 3.8 	<ul style="list-style-type: none"> • Test • Big Ticket Item - Loan Research and Presentation 	<ul style="list-style-type: none"> • What is a single payment loan? • What is a down payment? • What factors affect the amount of each monthly loan payment? • How do 	<ul style="list-style-type: none"> • <u>Investopedia - APR</u> • <u>Student loans sub vs. unsub</u> • <u>Credit Karma - Installment Loans</u> 	<ul style="list-style-type: none"> • Compare and contrast (venn-diagram) single payment loan and installment loan • What can we take loans out for? • Glossary

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				<ul style="list-style-type: none"> • you allocate installment loan payments? • What is included in a final loan payment? • Why should you know a loans APR? 		
Unit 4: Making Financial Decisions						
Chapter 9: Vehicle Transportation	7 days	Standard 1 <ul style="list-style-type: none"> • 2.1 • 2.2 • 2.5 • 3.1 • 4.1 • 4.2 • 4.3 Standard 4 <ul style="list-style-type: none"> • 5.1 • 5.2 • 5.6 	<ul style="list-style-type: none"> • Test • Find a Vehicle Project 	<ul style="list-style-type: none"> • What is the sticker price? • What is the dealer's cost of a vehicle? • Would you consider buying a 	<ul style="list-style-type: none"> • Local dealerships websites, Auto warranties, <u>Cosigner on a Car Loan</u> Auto insurance 	<ul style="list-style-type: none"> • Why buy new, used, or lease? • Services performed on car (oil change, breaks...)

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			<ul style="list-style-type: none"> • Quiz 	<ul style="list-style-type: none"> • used vehicle? • How does vehicle insurance protect drivers? • What is the difference between variable and fixed costs? • How does leasing a vehicle work? • Why might you want to rent a vehicle? • Why might you want to rent a vehicle? 	<ul style="list-style-type: none"> • <u>NYS</u> 	<ul style="list-style-type: none"> • Spreads
Chapter 10:	10 days	Standard 7		<ul style="list-style-type: none"> • How do 		

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<p>Housing Costs</p>		<ul style="list-style-type: none"> • 1.1 • 1.2 • 1.3 • 1.4 • 1.5 • 1.6 • 2.1 • 2.2 • 2.3 • 2.4 • 3.1 • 3.2 • 3.3 • 3.4 Standard 1 • 1.1 	<ul style="list-style-type: none"> • Test • Career Exploration 	<p>you find the mortgage loan amount? Why is it wise to shop around when looking for a lender? What is a closing? What is principal? What is a real estate tax? What is the replacement value of a home? What is a premium? What are some</p>	<p>Property Tax Video Investopedia - Home Mortgage Calculator</p>	<p>heet Application - Allocation of Monthly Payment (calculate by hand, then use spreadsheet)</p>
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				<ul style="list-style-type: none"> • home improvements you may want to make? • Do you think you would rather rent or buy your home? 		
<p>Chapter 11: Insurance</p>	<p>4 days</p>	<p>Standard 4</p> <ul style="list-style-type: none"> • 5.1 • 5.2 • 5.3 • 5.4 • 5.5 • 5.6 	<ul style="list-style-type: none"> • Quiz 	<ul style="list-style-type: none"> • What is the purpose of health insurance? • What is a copayment? • What is life insurance? • What factors affect the amount of the premium? 	<ul style="list-style-type: none"> • <u>Health Care Gov</u> • <u>Gov Glossary</u> • <u>Health Care Young Adults</u> 	<ul style="list-style-type: none"> • In groups, graphic organizer for different kinds of health and life insurance coverage & benefits

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Chapter 12: Investments	11 days	Standard 5 <ul style="list-style-type: none"> • 2.1 • 2.2 • 2.3 • 2.4 • 2.5 • 2.6 • 3.1 • 3.2 • 3.3 • 4.1 • 4.2 • 4.3 • 4.4 • 4.5 • 4.6 Standard 1 <ul style="list-style-type: none"> • 1.3 • 1.4 	<ul style="list-style-type: none"> • Quiz • Test • Investment Project 	<ul style="list-style-type: none"> • What is one advantage of investing in a CD instead of a savings account? • Which is the better investment: a high or low APY? • What companies interest you as potential investments? • What is profit on a stock? • What is a dividend? • What is a 	<ul style="list-style-type: none"> • Investopedia simulator • NGPF • Stax • <u>Investment game</u> • <u>Dividend</u> • <u>Khan Academy</u> • <u>Bonds vs. Stocks</u> • <u>APY vs. APR</u> 	<ul style="list-style-type: none"> • Differentiated homework problems • Difference between APR and APY

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				<ul style="list-style-type: none"> loading charge? What happens when a bond matures? How do you find the annual net income on a rental property? What does IRA stand for? 		
Unit 5: Making Business Decisions						
Chapter 13: Personnel	6 days	Standard 3 <ul style="list-style-type: none"> 1.3 3.3 3.4 	<ul style="list-style-type: none"> Quiz 	<ul style="list-style-type: none"> What is recruiting? What is a cost of living adjustment? Have you ever 	<ul style="list-style-type: none"> <u>Disability Benefits Workers' Comp Insurance</u> 	<ul style="list-style-type: none"> What motivates a person to work? Why do they choose a job? Employee

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				<ul style="list-style-type: none"> received employee benefits? What is disability insurance? Who pays for workers compensation and insurance? What expenses does traveling involve? Have you ever taken part in employee training? 	<ul style="list-style-type: none"> Invoices - ordinary & EOM Inventory 	<ul style="list-style-type: none"> Differentiated homework
Chapter 14: Purchasing and Inventory	8 days	Standard 10 <ul style="list-style-type: none"> 2.1 2.2 2.3 	<ul style="list-style-type: none"> Test Ordering Materials Project 	<ul style="list-style-type: none"> How do you find the net price? 	<ul style="list-style-type: none"> Invoices - ordinary & EOM Inventory 	<ul style="list-style-type: none"> Differentiated homework

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		Standard 6		records	problems
		<ul style="list-style-type: none"> • 2.4 • 1.3 • 1.4 • 1.1 • 1.2 		<ul style="list-style-type: none"> • How do you find the complement of the trade-discount rate? • Why do suppliers offer chain discounts? • What is one reason suppliers might offer a cash discount? • What is your definition of end-of-month dating? • Why might keeping 	

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				<ul style="list-style-type: none"> • an inventory record be important? • What are three methods for finding the value of an inventory? • What is included in the annual cost of carrying an inventory? 	<ul style="list-style-type: none"> • Lemonade Stand Business owner 	<ul style="list-style-type: none"> • What goes into the cost of a product? Simple vs. Complex product
Chapter 15: Sales	7 days	Standard 6 <ul style="list-style-type: none"> • 2.1 • 2.2 • 2.3 • 2.4 • 2.5 • 2.6 	<ul style="list-style-type: none"> • Test • Sell a Product 	<ul style="list-style-type: none"> • What is net profit? • What is the markup rate? • What is overhead 		

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							to sell
				<ul style="list-style-type: none">• What products do you consume on a regular basis?• What is the relations hip between markup rate and profit?• How do you find the markup rate?• Why do you think luxury brands have high market rates?• Can you think of something you			

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				<ul style="list-style-type: none"> recently bought at a markdown price? 		
<p>Chapter 16: Marketing</p>	<p>8 days</p>	<p>Standard 1</p> <ul style="list-style-type: none"> 2.4 4.4 	<ul style="list-style-type: none"> Test Market your Product 	<ul style="list-style-type: none"> What is a product test? What is sales potential? What is market share? What are two methods for projecting sales? What factors affect the cost of a newspaper advertisement? Do you have any favorite 	<ul style="list-style-type: none"> Marketing tools Sales Potential Cost of local newspaper/radio advertisements 	<ul style="list-style-type: none"> Vocabulary Groups to market product

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				<ul style="list-style-type: none"> • What is the formula for finding possible net profit? 		
Unit 6: Managing Business Finances						
Chapter 17: Services	4 days	Standard 1 <ul style="list-style-type: none"> • 1.6 • 2.1 • 3.2 • 4.1 	<ul style="list-style-type: none"> • Quiz 	<ul style="list-style-type: none"> • What is one factor involved in setting a monthly rental charge? What services might a maintenance dept or service provide? Have you ever 	<ul style="list-style-type: none"> • <u>Business Startup Costs</u> 	<ul style="list-style-type: none"> • Differentiated homework problems

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				<ul style="list-style-type: none"> • rented equipment? • What are utilities? • What are the definitions of customer charge, demand charge, and energy charge? • Can you think of projects for which a company might hire a professional consultant? 	<ul style="list-style-type: none"> • Payroll register • KBB.com • Income 	<ul style="list-style-type: none"> • Vocabulary - word wall
Chapter 18: Accounting	13 days	Standard 9 <ul style="list-style-type: none"> • 1.1-3 • 2.1-5 Standard 10	<ul style="list-style-type: none"> • Quiz • Test • Depreciation mini 	<ul style="list-style-type: none"> • What information is on a payroll 	<ul style="list-style-type: none"> • Payroll register • KBB.com • Income 	<ul style="list-style-type: none"> • Vocabulary - word wall

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			<ul style="list-style-type: none"> • 1 	activity	<ul style="list-style-type: none"> • register? • When might records of expense be useful? • What is the role of the production department? • What is the difference between a fixed cost and a variable cost? • What does the straight-line method assume about the depreciation 	statement	
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				<ul style="list-style-type: none">• ion of an item?• What is book value?• What does the MACRS method encourage• companies to do?• What is capital?• What does the balance sheet show?• What information do you need in order to determine if your business is making or losing money?• What		
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				<ul style="list-style-type: none"> information is on an income statement? 		
<p>Chapter 19: Financial Management</p>	<p>8 days</p>	<p>Standard 1</p> <ul style="list-style-type: none"> 1.6 3.2 <p>Standard 8</p> <ul style="list-style-type: none"> 2.3 	<ul style="list-style-type: none"> Test Create a business - Services Project 	<ul style="list-style-type: none"> What is a corporation? What are the expenses associated with issuing stocks or bonds? What is the prime rate on a loan? What is the face value of a treasury bill? What are some causes of 	<ul style="list-style-type: none"> <u>GDP</u> <u>Treasury Bill</u> <u>inflation calc</u> <u>GDP</u> <u>explained</u> 	<ul style="list-style-type: none"> Collaborative group work with business project

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				<ul style="list-style-type: none"> • Inflation? • What is per capita GDP? • What does consumer price index measure? 		
Unit 7: Precision Exam						
Micro/Macro	9 days	Standard 8 <ul style="list-style-type: none"> • 1.1 • 1.2 • 1.3 • 1.4 • 2.1 • 2.2 • 2.3 	<ul style="list-style-type: none"> • Quiz • Test 	<ul style="list-style-type: none"> • What are the risks/rewards of entrepreneurship? • What is a capitalist society? • What information can be used to make financial decisions? 	<ul style="list-style-type: none"> • <u>Monetary & Fiscal Policy</u> • <u>Supply & Demand</u> • <u>Economic Cycles</u> 	<ul style="list-style-type: none"> • Vocabulary • Videos

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				<ul style="list-style-type: none">• What is supply and demand?		
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