		PRO	JECT OVE	RV	IEW				
Name of Project:	Making Money!!!! Duratio					ion: 2 weeks			
Subject/Course: Mathematics			Teacher(s): Astalos			Grade	Grade Level: 8 th		
Other subject areas to be included, if any:	Langua	age Arts	•						
Project Idea Summary of the issue, challenge, investigation, scenario, or problem: Driving Question	given. will be Interes based if some started We see	at groups will become busi The goal of the ownership given a budget and allowe ting concept for the learnin on prior Math knowledge. of the key instruction hap sooner.	o groups is to make m ed to shop all the crea ng. It appears that in t The 6 th lesson is the f opens just prior to the ch people who buy wha	oney. A ed sho ne 1 st fi rst time start of	After the groups have creaters. ve days, students are wo that students are learning this project. If that is the o ey want, whenever they war	ated the rking in ig new o case, th nt but ho	eir business e their busines concepts. I'm en this pbl un w do they get t	s ideas wonde hit actua	ring ally What
Content and Skills Standards to be addressed:	x + .03x N.MR.0 N.FL.08	8.07 Understand percent inc < = 1.03x. 8.08 Solve problems involvir 3.09 Solve problems involvin 8.11 Solve problems involvir	ng percent increases and g compounded interest of	l decrea or multip	ases. Ie discounts.	-			xis
			T+/	ν E				T+A	Е
21 st Century Skills to be explicitly <i>taught and</i>	Collabo	oration	X		Other:			X	
assessed (T+A) or that will be encouraged (E) by project work, but not taught	Presen	itation	X						
or assessed:	Critical	Thinking:	X						
	1						Presentatio	n Audie	ence:
Grou	p:	b: Groups will be given a budget that will be used to create stock and advertise a business of their choice. The goal of their business will be for the other students to want to buy items				Class:		х	
Products and Performances		from them. The groups will need to create some form of advertisement for their business					School:		
							Commur	nity:	

		After the businesses have been created each student will need to keep a record of what they				Experts:	
			I how they figured out the final prices that they would have paid for each item. Iso complete regular assignments for chapter to monitor their progress			Web:	х
				Other: Grade Level			
	ł		PROJECT OVER	VIE	E W	1	
Entry event to launch inquiry, engage students:	video show is	s over take st	w or video with examples of busi udent input – lead the discussion vill be required to take email or te	n towa	rds what the students have	seen or experience	d in
Assessments	Formative	Quizzes/T	Quizzes/Tests		Practice Presentations		
	Assessments (During	Journal/Le	Journal/Learning Log		Notes		
	Project)	Preliminar	Preliminary Plans/Outlines/Prototypes		Checklists		
		Rough Dra	Rough Drafts		Concept Maps		
		Online Tes	Online Tests/Exams		Other:		
	Summative Assessments (End of Project)		Written Product(s), with rubric:		Other Product(s) or Performance(s), with rubric		
			Oral Presentation, with rubric		Peer Evaluation		X
		Multiple C	Multiple Choice/Short Answer Test		Self-Evaluation		X
		Essay Tes	Essay Test		Other:		
Resources	On-site peopl	e, facilities:					
Needed	Equipment:		Computer Lab				
	Materials:						
	Community re	esources:	What local businesses could mentor teams regarding the students' business plans? These same businesses could return to listen and/or judge the presentations. Parents could be a valuable resource for this as well.				

Reflection Methods	(Individual,	Journal/Learning Log		Focus Group	
		Whole-Class Discussion	X	Fishbowl Discussion	Χ
	······,	Survey		Other:	

PROJECT TEACHING AND LEARNING GUIDE						
Project: Making Money!!!	Course/Semester: Fall 2011					
Knowledge and Skills Needed by Students to successfully complete culminating products and performances, and do well on summative assessments	Scaffolding / Materials / Lessons to be Provided by the project teacher, other teachers, experts, mentors, community members					
Converting between decimals, fractions and percents	Skills assessment prior to start of chapter and review of that assessment					
Find percent increase or decrease of a number	 Small group instruction after groups have decided on products & business types / straight forward problems only – no word problems 					
Solve applied problems involving percent increase and decrease	 Small group instruction – word problems – show connection to business – pricing and sales 					
Computing multiple discounts and compound interest	 To drive sales – students will be encouraged to offer special deals – membership cards and the like. 					
If English is included, what standards are being addressed and what skills would be developed?	→					
	→					
	→					

	PROJ	ECT CALE	NDAR				
Project: Making Money!!! Start Date: 11/7							
MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY			
	P	ROJECT WEEK ON	IE				
provide pictures of a positive and negative business they know of. A PowerPoint based story on a business where the students are making the decisions thatPROCECTION A p a a g		Team building Activities/Explaining the project/developing a team and contracts. Developing a business plan – "what are we gonna sell?" "How many different things are we gonna sell?"	Continue developing a business begin thinking about advertising (aka posters/videos/flyers / small group on percent change ties in with 3-1 homework (N.MR.08.08)	Developing a business – continue advertising and purchasing of items within the budget given – small groups for product and sum methods 3-2 (N.MR.08.07)			
	P	ROJECT WEEK TWO	0				
Developing a business / – processing pricing of items – using percent increase to come up with selling prices / using sum and product methods.	Class work on 3-3 (applied problems) / 3-4 (compound interest/ multiple discounts) (N.MR.08.07, N.MR.08.09)	Developing a business / small group on percent change refresher (N.MR.08.08)	Finalizing / practice sales / budgets to buy with	Shopping at other business within budgets given			
	PF	ROJECT WEEK THRI	E E				
Assessment for this chapter – MEAP Style assessment	Fish Bowling on projects – 2 groups discussion questions about positive and negative of project	No School	No School	No School			
	Р	ROJECT WEEK FOU	R				
Black Friday Assignment – what is the percent decrease or the new number (N.MR.08.07, N.MR.08.08)	Which is the best buy? – ration units (mph, dollars per pound, population density (N.MR.08.11) – what stores did the best – looking for mathematical solutions	Which is the best buy? – ration units (mph, dollars per pound, population density (N.MR.08.11) – comparing sizes of the same item for value.					

Lesson Design: Careful construction of lessons to remove barriers and provide assess for all students.	Checkpoints: Includes
Team building activities	 ✓ Multiple ways to represent information
	✓ Alternatives to text
Students grouped by levels – students are pre-assessed to the start of the project. Levels are white (lacking basic skills required for chapter success, red moderate basic skills required for	 ✓ Support provided for text comprehension
chapter success, blue has required skills for chapter success. Students will be grouped with a blue, red and white whenever possible. These groups will be the business.	 ✓ Flexible technology- based materials,
Small group instruction. Teaching will happen in to each business 3 to 4 students.	strategies and tools
	 ✓ Multiple ways for students show what they know
Students will display knowledge through the business pricing and budgeting, through their advertising, through their shopping budget and through chapter materials 3-1, 3-2, 3-3, 3-4 and post-test.	 Conspicuous supports for learning new strategies
Two remedial sessions are scheduled throughout the project	 ✓ Mechanism for rapid feedback to learners
	 ✓ Active student-centered methods
	 ✓ Choice, Challenge, Novelty
	 ✓ Connected, relevant learning

Store Advertisements Rubric

Store Name: _____

Owners: _____

a ()							
Score Levels	Advertisement	Conventions	Mathematics	Cooperation	Organization	Cool Factor	
4	 Is well thought out and supports the solution to the challenge or question Reflects application of critical thinking Has clear goal that is related to the topic Is pulled from a variety of sources Is accurate 	 No spelling, grammatical, or punctuation errors High-level use of vocabulary and word choice 	 Covers topic in- depth with details and examples. Subject knowledge is excellent. 	 The workload is divided and shared equally by all team members. 	 Information is clearly focused in an organized and thoughtful manner. Information is constructed in a logical pattern to support the solution. 	 Multimedia is used to clarify and illustrate the main points. Format enhances the content. Presentation captures audience attention. Presentation is organized and well laid out. 	
3	 Is well thought out and supports the solution Has application of critical thinking that is apparent Has clear goal that is related to the topic Is pulled from several sources Is accurate 	 Few (1 to 3) spelling, grammatical, or punctuation errors Good use of vocabulary and word choice 	 Includes essential knowledge about the topic. Subject knowledge appears to be good. 	 The workload is divided and shared fairly by all team members, though workloads may vary from person to person. 	 Information supports the solution to the challenge or question. 	 Multimedia is used to illustrate the main points. Format is appropriate for the content. Presentation captures audience attention. Presentation is well organized. 	
2	 Supports the solution Has application of critical thinking that is apparent Has no clear goal Is pulled from a limited number of sources Has some factual errors or inconsistencies 	 Minimal (3 to 5) spelling, grammatical, or punctuation errors Low-level use of vocabulary and word choice 	 Includes essential information about the topic but there are 1-2 factual errors. 	 The workload was divided, but one person in the group is viewed as not doing his/her fair share of the work. 	 Project has a focus but might stray from it at times. Information appears to have a pattern, but the pattern is not consistently carried out in the project. Information loosely supports the solution. 	 Multimedia loosely illustrates the main points. Format does not suit the content. Presentation does not capture audience attention. Presentation is loosely organized. 	
1	 Provides inconsistent information for solution Has no apparent application of critical thinking Has no clear goal I pulled from few sources Has significant factual errors, misconceptions, or misinterpretations 	 More than 5 spelling, grammatical, or punctuation errors Poor use of vocabulary and word choice 	 Content is minimal OR there are several factual errors. 	 The workload was not divided OR several people in the group are viewed as not doing their fair share of the work. 	 Content is unfocused and haphazard. Information does not support the solution to the challenge or question. Information has no apparent pattern. 	 Presentation appears sloppy and/or unfinished. Multimedia is overused or underused. Format does not enhance content. Presentation has no clear organization. 	