Lesson Plan Template

Grado: Alg	ohra l	Lesson na	Subject: Math
Materials: headnhones and notes			Tachnology Needed: Bersonal computer
Instructional Stratogics			Cuided Practices and Concrete Application
 Direct Guide Socrat Learni Lectur Techn Other 	instruction d practice cic Seminar re ology integration (list)	Peer teaching/collaboration/ cooperative learning Visuals/Graphic organizers PBL Discussion/Debate Modeling	Large group activity Hands-on Independent activity Technology integration Pairing/collaboration Imitation/Repeat/Mimic Simulations/Scenarios Other (list) Explain: Explain:
Standard(s) 8.EE.7 Solve linear equations in one variable.			Differentiation Below Proficiency: Students who are below proficiency will be able to make the
Objective(s)			first step to find the solution.
By the end of the lesson I want my students to know how to solve multi-step equations with one variable. Multi step includes having problems with multiplication or division and addition or subtraction. Bloom's Taxonomy Cognitive Level: Analyze Evaluate			Above Proficiency: Students who are above proficiency will be able to solve problems without questions and will be able to state what they are doing. Approaching/Emerging Proficiency: Students would be able to solve the problems with relative ease but may not quite be able to state what they are doing. Modalities/Learning Preferences:
Classroom Management- (grouping(s), movement/transitions, etc.)			Behavior Expectations- (systems, strategies, procedures specific to
Students will watch the videos in order to learn the content. The room will have tables where a few students can sit in order to spread their materials out and work efficiently.			the lesson, rules and expectations, etc.) Students will work on their assignments by themselves and ask for help by raising their hand when needed. They will work at their own pace through the lessons and do the required assessments when the website tells them
Minutes Procedures		Procedures	
30	Set-up/Prep: Making of the video and getting other assignments ready.		
2	Engage: (opening activity/ anticipatory Set – access prior learning / stimulate interest /generate questions, etc.) I will have some frontloading and reminders for students for information that they need to know before the start of the lesson. This includes; like terms, distribution, inverse operations and reciprocals.		
10	Explain: (concepts, procedures, vocabulary, etc.) I will go through my notes in the video recording and show many examples for the students. (Notes on next page)		

	Lesson Algebra I	Sunday, October 6			
	EQU Today we are going to work with equations that require more then one step to solve for the variable. Today there are a few things you need to recall. Like terms-remember when we are trying to simplify equations we will need to combine terms that have the same coefficient attached to it. Terms like $2x$ and $4y$ would not be like terms, but terms like $3z$ and $7z$ can be combined because these terms have the same coefficient of z. 2. Distribution. Remember what you must do if you see $2(x - 3)$. Because of the parenthesis we must multiply the 2 in front by both terms in the parenthesis. Doing this we get $2x - 6$ 3. Inverse operations. Remember that inverse operations are coperations that "undo" another. For example if 1 have $x + 2 = 0$, subtracting 2 would give us $x = -2$. Division and multiplication work in the same way. 4. Reciprocal- the is fraction that when multiplied to another is 1. For example if you have $\frac{3}{2}$ the reciprocal would be $\frac{2}{3}$ because if we multiply the two fractions together we have a product of 1.				
	$\begin{array}{c} 1 \ 3z + 4z - 5 = 23 \\ z = 4 \end{array}$				
	$2 \ 4x - 2x + 5 = 15 \\ x = 5$				
	$\begin{array}{c} 3 \ 4w + 2(w + 5) = 70 \\ w = 10 \end{array}$				
	$\begin{array}{c} 4 \ 7x - 3(x + 5) = 33 \\ x = 12 \end{array}$				
	$5 \ \frac{4 + 2(y - 3)}{y = \frac{91}{2}} = 89$				
	$6 5 - 3(v+7) = -1 \ v = -5$				
	$7 \frac{2}{3}(z-9) = 2 z = 12$				
	$8 \frac{10}{8}(k+16) = 120$ k = 125				
	SQ $2j + 5 + \frac{4}{3}(3j - 12) = 7$ j = 3				
	1				
œ	Explore: (independent, concreate practice/application with relevant learning task -connections from content to real-life experiences, reflective questions- probing or clarifying questions) This will happen after the video. Students will do an assignment and then ask questions if they have any.				
2	Review (wrap up and transition to next activity): I have a final problem that is meant to challenge the students understanding of the concepts. I will give them my answer to let them check if they got that question right.				
Formative Progress check- in strateg	Assessment: (linked to objectives) monitoring throughout lesson- clarifying questions, gies, etc.	Summative Assessment (linked back to objectives) End of lesson: Students will work on the given assignment after they watch the video to test their own knowledge and see what questions they have.			
Considera teach the l	ation for Back-up Plan: esson myself if the need arises.	If applicable- overall unit, chapter, concept, etc.: There will be a test over several sections that the students will have learned			
Reflection It took sev and start the to stumble and knowin if it was ma	(What went well? What did the students learn? How do eral takes to get the video correct. I would like to try to he recording. It was hard to try to get everything said ho over words during a lesson and just relax and keep goin ng how I would've taught that. This became interesting aking sense. It's hard to teach blind and not see how you	you know? What changes would you make?): run the recording software off of two screens to make it easier to pause w I wanted to on the first time so that showed me that I have to be ready g. Much of those problems came from not teaching the previous lessons when I couldn't feed off of what my students would've been doing to know ar students are taking the lesson that you have prepared. I was surprised			
with how well the recording went and how easy it was to edit the video. The use of one note on my computer worked as expected and smoothly for the most part. It was only occasionally sloppy and sometimes even crooked writing but with practice that would be fixed.					

Tech file if deleted.

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