Evaluating Expressions Da	y 2: 11/2/20, 11/4/20
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	Evaluating Expressions	
Instruction Direct Guide Guide Socrat Learni Lectur CTechn Other Standard(s 6.EE.2(c): V for number c. Evaluate expressions Perform ar number ex parenthese ISTE Standar safe, legal a b. Students	Notebook, pencil/pen, marker board, markers ial Strategies: instruction Peer teaching/collaboration/ d practice cooperative learning tic Seminar Visuals/Graphic organizers ing Centers PBL re Discussion/Debate ology integration Modeling (list) Modeling visuals from formulas used in real-world problems. ithmetic operations, including those involving whole ponents, in the conventional order when there are no es to specify a particular order (Order of Operations). ard 2(b): (Digital Citizen) Students recognize the rights, ities and opportunities of living, learning and working in an cted digital world, and they act and model in ways that are and ethical.	Subject: Math Technology Needed: Chromebook Guided Practices and Concrete Application: Independent activity Hands-on Independent activity Technology integration Pairing/collaboration Imitation/Repeat/Mimic Simulations/Scenarios Other (list) Explain: Explain: Differentiation Below Proficiency: Based on the information gathered from the formative assessment, the majority of the review problems will be the type that these students seemed to struggle with the most. This will allow the students to work through the problems with help if needed. Above Proficiency: These students will be challenged to help their group members better understand the content. (Teaching it helps them better understand it as well.) Approaching/Emerging Proficiency: During the review, I will be walking around the classroom to monitor progress. Modalities/Learning Preferences: Auditory: I will be explaining the review activity verbally, which
Objective(s		 will help these students better understand the directions. <u>Visual</u>: I will also be showing the students the review problems up on the front interactive whiteboard. Students attending class physically will also be grouped with students attending class virtually through google hangouts to collaboratively work through the review problems. The students will use the messaging feature of google hangouts to collaborate. <u>Kinesthetic</u>: Students will be able to use their personal markerboards to record their answers for each problem, which is a more interactive method than copying them down in their notes.
Classroom Due to COV day. Howev provided 12 attempt to difficult to through go	Management- (grouping(s), movement/transitions, etc.) /ID, students remain in their assigned seats for class each ver, since students are able to socially distance, they are 5-minute mask breaks during each class period. In an provide the group work and collaboration that has been implement this year, the in-class students will be paired up ogle hangouts with students attending virtually so that scuss their answers during the review activity.	Behavior Expectations- (systems, strategies, procedures specific to the lesson, rules and expectations, etc.) Students will be expected to utilize google hangouts effectively and professionally. I will explain basic internet messaging courtesy and that I expect them to be kind and respectful to their partners on google hangouts.
NAlmost	B	
Minutes	Procedures	is been don the results of the formative according to
15-20	Set-up/Prep: Create a review PowerPoint for the summativ	e based on the results of the formative assessment.
5-10	Engage: (opening activity/ anticipatory Set – access prior learning / stimulate interest /generate questions, etc.) To begin class, I will go over the answers to the two homework assignments that are due. As I go through them, I will check for student understanding and go through some of the problems on the board if any student is still confused. After, I have answered al questions and gone through problems if necessary, I will ask the students to take out their Chromebooks and their personal market boards for the review activity.	
30-35		g virtually, groups of three will be created if necessary. how they will utilize google hangouts (respectful, responsible, helpful).

	 variables will be set at the same value. After most of the groups have finished all four pa each problem step-by-step on the front whiteboa Before moving on to the next slide, I will check fo seeing me work out the problems. When there are about 5 minutes left for the revie ask questions. 	ront board for students to work through. For each set of problems, the rts and discussed their answers with their partners, I will go through ard. r student understanding by asking if they still have any questions after ew, I will make sure to wrap up whatever we are on so that students may ask what questions they still have on evaluating expressions so that they
45	experiences, reflective questions- probing or clarifying que For the second half of the 90-minute class, the students wil	In relevant learning task -connections from content to real-life estions) Il be taking their summative assessment. I will give the students a 10- and to better pace themselves towards the end of the class period.
2-5	Review (wrap up and transition to next activity): If students finish early, they will have the opportunity to complete DreamBox lessons or other approved math games. At the end of class, I will remind students that they will need to check in to class virtually the next day and the online assignments they have.	
Progress check- in strate For the rev checking in staying on problems I that the re Consider If google h I will faciliti	e Assessment: (linked to objectives) s monitoring throughout lesson- clarifying questions, gies, etc. view activity, I will be walking around the classroom and n with the groups during worktime to make sure they are track and to see if they have any questions. The review have been based on their responses on the formative so eview will better prepare them for the summative. ration for Back-up Plan: nangouts does not work for the students to collaborate, then tate large group discussions for each slide before going ne problems.	Summative Assessment (linked back to objectives) End of lesson: Since standards-based grading is utilized, the summative assessment will only be for the one standard mentioned above in the lesson. This assessment will be much shorter than the formative assessment and will be graded on a scale of 0.5-4. The summative will also include a level 4 question in addition to the level 2 and level 3 questions assessed in the formative. If applicable- overall unit, chapter, concept, etc.:
Day 1 Ref		u know? What changes would you make?): ok most of the review time and we have learned from it so that it nes of each student's partner(s) on sticky notes for them to start

will hopefully go more smoothly next time. We will have the names of each student's partner(s) on sticky notes for them to start typing in the names and creating a google hangouts messaging group so that it takes less time. It seemed that most students got the "2b+3" question correct since we were able to go over two commonly missed problems from the formative before we got into the problems I prepared for the review. Most of the students used google hangouts effectively to discuss and compare their answers during worktime. The summative results so far indicate that most of the students are still struggling with the level threetype questions for evaluating expressions. I also forgot to have the students use their markerboards for the review, so I will make sure I have the students get theirs out while students are still getting paired up on google hangouts.

Day 2 Reflection (observed by Cammy Erickson): Having the sticky notes ready for the google hangouts helped that part of the lesson go more smoothly. Students seemed to be using google hangouts effectively for the review and were engaged when I was going through the problems on the board. I think the students finally understand what a number next to a letter (2a, for example) means in math (multiply). Most students were able to use their markerboards for the review problems. We had a new student in class today who just switched from distance learning and we were able to include him in the lesson as well. Cammy made a good suggestion in her observation about using a microphone so that the students at home could hear me better. If I were teaching this lesson in my own classroom where I was required to wear a mask during lecture, I would definitely want to have a microphone of some sort.