Write-On/Wipe-Off Lesson Planning Sheet for Common Core Math Lessons with Language Learners

Common Core Critical Area (What	Critical area from the Math Common Core will this lesson address?): They decompose three-dimensional shapes and find volumes of right rectangular prisms by viewing the sascubes. Inguage can I expect the students be able to use at the end of this lesson?):
Grade 5, Critical Area 3: 1 decomposed into layers of arrays of a	hey decompose three-dimensional shapes and find volumes of right rectangular prisms by view of the sas
Objectives (What math and math la	anguage can I expect the students be able to use at the <u>end</u> of this lesson?):
Math Objective: <u>I can</u> Find the	volume of a right rectangular prism with whole-number side lengths by packing it with unit cubes
(CCSS.Math.Content.5.MD.C.5a)	
Math Language Objective: <i>I can</i>	work with a partner to explain my thinking, strategies, and solution and the target words
in my explanation.	
Vocabulary (What key vocabulary w	ill I need to teach so the students can understand the lesson?):
Key Vocabulary	How I will teach it?
volume	☑ use pictures/clipart/animation ☐ topical/thematic word wall with visuals ☐ act out the word
unit	□ write a student-friendly definition □ write/draw classroom-based examples □ talk about parts of the word □ 2 or 4 corners vocabulary □ Jeopardy! □ charades □ write/sing a song □ write/perform a rhyme/poem □
cube	word web □ create a hand signal/body motion for vocab □ provide a desk reference of math terms and symbols
combined	other: _Model the key words using TPR (gestures/and body motions) when introducing the centers and interacting with groups.
right rectangular prism, compare/ comparison, length, width, height, compliments, giving compliments, tally	
concept? Or how will I introduce then experience □ whole class K/W/L □ siproblem based on the class/room □ other(s): _volunteers share what the Hands-On Materials (What materials attribute blocks □ paper & scissors □ worksheet □ word cards and example	s can students touch and manipulate as they practice?): \(\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\

Write-On/Wipe-Off Lesson Planning Sheet for Common Core Math Lessons with Language Learners ☑ other(s): unit cubes
Meaningful Practice (How will students repeatedly practice with the math and math language in a meaningful way?) □ turn & talk □ finish sentence frames (i.e. "I can using" "One way to is") □ partner work □ place vocab. in graphic organizers □ add words to word bank/personal dictionaries ☑ make/build a model □ create 5 problems and switch with a partner to solve □ with a partner, say/write as many sentences with key vocab as possible □ pairs solve problems and write answers on individual whiteboards □ students write story problems □ solve problems/answer questions in small groups ☑ solve real-world/school based problems ☑ math conversations □ math dramatization □ give students math discussion starter sentence frames (e.g. "If I try I thinkwill happen." etc.) ☑ model thinking aloud when problem-solving □ provide a checklist of problem solving steps
✓ other(s): Pairs will explain how they solved a volume problems using key vocabulary.
Open-Ended Questions (What interesting questions will I ask during the lesson that could be answered in many different ways (i.e. will elicit higher-order thinking)?): (Ideas: Do you think? What would happen if? Is there a better solution? How many ways can you? What's the easiest/hardest part? What is this similar to? Do you think? Why did you? How can you use this in life? What do you notice about? etc.)
1) What would happen to your bucket if you kept track of filling and emptying it all day?
2) What do you think the volume of our class bucket would be if we kept track all day?
3) What strategies did you use to solve the problems?
Constant Assessment (How will I and how will the students measure their math and math language learning throughout the lesson?): ☑ ask open-ended questions related to your objective (e.g. "How do you know" "How will you know if you are right?" etc. ☐ students give a thumbs up, down or sideways based on their achievement of the objective ☐ conference with individual students and note successes and stuck places ☑ ask individual students a question they would need to answer with a key vocabulary word ☐ partners share what they are learning with one another ☐ direct a student to think out-loud about a problem ☐ exit tickets where students write 1-3 things they learned or questions on a post-it other(s): Ask, "What was it like using the target words in your explanations and listening for them?"