**Lesson Description:**

*In this Third Grade lesson, students work on solving real world problems involving multiplication and division. The lesson begins with a quick multiplication fact practice and clear statement of the lesson objective and class expectations. Students will work with partners to solve and engage in class discussion/sharing about three word problems. The lesson will conclude with restating the lesson objective and thumbs up/down/sideways to indicate students confidence about accomplishing the objective.*

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| Lesson Objective: |
| Students will solve real world problems involving multiplication and division. |
| Mathematical Teaching Practice: |
| Facilitate mathematical discourse |
| Technology or app to be used: |
| iPad camera and AirPlay |
| Device/s required (e.g., teacher tablet, student Chromebooks, etc.): |
| Teacher iPad and Projector |
| Describe how using this technology will impact the teaching practice you selected.   * Specifically describe when you would integrate this technology during this lesson: * Specifically describe how you would integrate this technology during this lesson: |
| I will use the iPad to take pictures of students’ work and then display them through AirPlay and the Projector. I’ll use the iPad whenever I want to have partners explain their work. When partners are working, I’ll walk around the room looking for good examples to show. I’ll also keep an eye out for mistakes to see if the whole class can find the mistake. When the work is displayed on the board, students are able to discuss it without being stuck at the Elmo trying to zoom in and zoom out. Instead, because more students are comfortable with an iPad, they are able to manipulate the picture of their work much easier. |
| Will the use of this technology *replace*, *amplify*, or *transform* the teaching and learning of mathematics in this lesson? Explain. |
| The iPad will amplify the lesson because both partners are able to stand at the front of the room to explain their work. Using AirPlay will cut down on transition time as well. Before, students had to come to the Elmo and adjust their paper under the camera. Sometimes it would take a while because the students couldn’t work with the Elmo very well. |
| What obstacles or complications do you anticipate, relating to integrating this technology? |
| I would expect that AirPlay might not work as expected with the iPad. In this case, I could use the Elmo as a backup. |