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Professor Grimm

ELED 470 Sec. 5

September 27, 2010

Math Lesson #5

- I. Curricular Area/Topic:** Math lesson on Adding and Subtracting Whole Numbers and Decimals; Number Sense: Adding Decimals.
- II. Date/Timeframe for Lesson:** September 27, 2010; One 55 minute lesson plan
- III. Rationale:** This lesson is important for the students to learn because the students will be broadening their math skills and it will be helpful to them when they reach the more advanced levels of school and mathematics. The students can also use this information to help them buy items like at a grocery store or Wal-Mart. This is because it is close to money when dealing with decimals.
- IV. Illinois Learning Standards:**
 - ✓ **State Goal 6:** Demonstrate and apply a knowledge and sense of numbers, including numeration and operations (addition, subtraction, multiplication, division), patterns, ratios and proportions.
 - **Standard 6.B.2:** Solve one- and two-step problems involving whole numbers, fractions and decimals using addition, subtraction, multiplication and division.
 - **Standard 6.B.3a:** Solve practical computation problems involving whole numbers, integers and rational numbers.
- V. Objectives:**
 1. When this lesson is finished, the students will know how to align the decimals by using the numbers place value.
 2. After the completion of this lesson, students will be able to add and subtract decimals.
- VI. Materials/Resources/Technology:** The materials that will be needed for this lesson is dry erase boards, markers, and erasers, the overhead projector, paper and pencil, the worksheet of the assignment and the worksheet of the daily review.

VII. Management/Organization for Instruction: For the management of this lesson, the homework worksheet will need to be printed off (at least 13 copies) before class and the problems that I will use during the students guided and independent practice.

VIII. Lesson Delivery:

- A. Opening:** To open this lesson, the students and I will work on the Daily Spiral Review together, which consists of six problems. All six of these problems are review of what the students have learned in previous lessons.
- B. Body:** To continue with this lesson, the students will first get the main and basic rule of adding and subtracting decimals, which is to always align the decimal by the place value. If the students do not know and understand this, they will not find success. We will then continue with guided practice and start off with small decimal numbers to get the students going. Then independent practice will start where the students will get out their dry erase boards and solve problems on their own without my help and by just showing me the answer.
- C. Closing:** To close this lesson, the students will end with a review of how to solve decimals by adding and subtracting. I will ask them questions that let me know they understand the material like, how do you line up the decimals? I will then pass out the homework for that day and allow a little time for the students to get started.

IX. Assessment: For this assessment, the students will be given another worksheet that is made up of several problems where the students will be adding as well as subtracting decimals. The assessment will be worth in points the number of problems on the worksheet.

X. Accommodating Individual Learner: For students who are having trouble with grasping the material, I can always mark off answers on their worksheet that they do not have to complete. And since worksheets usually have more advanced problems towards the end, I can mark off those problems as to not take away the easier problems for more practice to the student.

XI. Extending the Lesson: To extend this lesson, I could have the students come up with problems to give me to solve. And once I solve the problem, the students would have to check to make sure it is correct by solving the problem as well.