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Professor Grimm

ELED 470 Sec. 5

September 23, 2010

### Math Lesson #3

- I. Curricular Area/Topic:*** Math lesson on Adding and Subtracting Whole Numbers and Decimals; Number Sense: Estimating Sums and Differences.
- II. Date/Timeframe for Lesson:*** September 23, 2010; One 55 minute lesson plan
- III. Rationale:*** This lesson is important for students to learn because it helps them with rounding whole numbers and then taking those whole numbers and either adding them or subtracting them. Both of these two things will reappear later on in math and the students will need to know the basics of them to be able to complete and understand the harder material in their upcoming grades.
- 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 complete, students will be able to round whole numbers and decimals.
  - 2. After the completion of this lesson, students will be able to add whole numbers.
  - 3. When this lesson is finished, students will be able to subtract whole numbers.

**VI. *Materials/Resources/Technology:*** The materials that will be needed for this lesson will be, the overhead projector, with markers as well as an erasable cloth, dry erase boards, markers, and erasers for the students, and copies of the homework.

**VII. *Management/Organization for Instruction:*** The management that is needed for this lesson are the copies of the homework pages printed out, and the problems that I will use with the students during the guided and independent practice.

**VIII. *Lesson Delivery:***

**A. *Opening:*** To open this lesson the students and I will do the worksheet of the Daily Spiral Review. This worksheet will consist of six questions three of which are multiple choice and three of which are fill in the blank. And with this worksheet, the students and I will do it together on the overhead projector.

**B. *Body:*** For the body of this lesson, I will start by showing the students how to do a couple problems of taking two numbers rounding them to the nearest whole number and then either adding or subtracting them. Then, the numbers will turn into decimals that the students will solve. I will use this as the guided practice for the lesson. After I feel that the students have a good understanding, I will give students different problems and have them complete them individually and then have them give me the answer. And the students will complete these problems on their dry erase boards.

**C. *Closing:*** To close this lesson, the students will be passed out their assignment for the day. This assignment will consist of a worksheet with two sides. The first side will be a re-teaching side where the students and I will fill out the worksheet together. The other side will be practice for the students to complete on their own as their homework assignment.

**IX. *Assessment:*** For this assessment, the students will be given a worksheet with two sides. One side will consist of only five questions, where the students will solve four equation problems and one story problem. This will also be the side where I will solve each problem with the students guiding me in the right direction. The

other side of the worksheet has eight problems of which the students will have to fill out on their own as homework.

**X. *Accommodating Individual Learner:*** To help the struggling learners in my class, I will take away some of the problems that they have to complete on the worksheet. I have noticed that some students have trouble with word problems; so those questions will be the ones I will more than likely have the students not complete.

**XI. *Extending the Lesson:*** To extend this lesson I would have the students give me problems that they come up with to have me solve. This way the students get to be like the teacher and I get to be like the student. And I think the students would really enjoy this.