SUBJECT: Math Structures - Grade Level 3

TOPIC: Fun with Fall Place Values, Rounding and Estimation

Time:
1 Session
1 Hour and 15 minutes

Key Vocabulary:
- Rounding
- Whole numbers
- Place value
- Estimation
- Addition
- Subtraction

State Standards: 3rd Grade

CCSS.Math.Content.3.NBT.1 Use place value understanding to round whole numbers to the nearest 10 or 100.

CCSS.Math.Content.3.NBT.1 Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition and subtraction.

Background:
- Review place values and rounding
- Give students examples of estimating by using rounding in both addition and subtraction
- Pass out worksheets which contain addition and subtraction, rounding and estimating problems
- Allow students time to review concepts using worksheets provided

Instructor may use this time to complete the set up for the activity
- Encourage students to ask for help if it is needed
- Allow peers to assist one another in the review process
- Encourage the students to take any unfinished problems home for review

Materials:

Activity Glogster:
http://sookiefan.edu.glogster.com/math-structures-ll-empacts/

- Rounding & Estimation Worksheets
- Exit Tickets
- Poster Board
- Construction Paper
- Crayons
- Laminator
- Scissors
- Sticky Tack
- Glue
- Tape
- Dry-Erase Board
- Smart Board
- Microsoft Word
- Power Point
Lesson Plan

Preparation:
- Make copies of the worksheets.
- Gather all materials needed for the activity. Poster boards, place value “fall” items, sticky tack, prizes.

Purpose of the Activity:
- Help the students meet the common core standards as well as encouraging them to enjoy math lessons
- Allow the students to be physically active as they engage in a hands-on learning activity

Procedure for Activity:
1. Divide students into teams of 4-6
2. Label each team with a “Fall” item name, for example…

   **Acorns, hay bales, pumpkins, or leaves**

3. Give each team a set of number and direct them to the poster which corresponds to the items assigned.
4. Place each poster on a different wall of the classroom
5. Each poster has a space for Ones, Tens, Hundreds, and Thousands.

   6. Explain the rules for participating in the “Place Value Relay Race”
7. Each team will determine the order of runners, who will go first, second, third, etc.
8. The instructor will count down from 5 to begin the race.
   a. The first student will grab a number and determine which place value is underlined
   b. The same student will run to the team poster and stick the shape in it’s appropriate space.
9. When they return to their team, the next student in sequence will go. This will continue until each team runs out of numbers.
10. When the race is finished, the instructor will then pass out Exit Tickets to the students.
11. Each Student will need to correctly complete their exit ticket, and turn it in for a prize!

Assessment:
Learning will be assessed through the use of verbal questions, worksheets, and exit tickets.

Reflection:
Students will turn in the exit tickets and receive a small prize.