Skip Counting- 2s, 3s, 5s, and 10s

Grade: Second

Time: 50-60 Minutes
*This is the first day of a five day unit on skip counting*

Rationale: Counting by 2s, 3s, 5s, and 10s is a second grade expectation that must be met. Students must be able to skip count beginning with any random number below one hundred. Skip counting will help students develop number sense. If they are able to skip count, it will help them count faster which will eventually save them time when working in multiple other areas of math. This particular group of second graders is at a very low level. They still need work on some of the first grade essentials, as well as the second grade essentials.

Objectives:
- Given a pattern students will count by 2s, 3s, 5s, and 10s.
- Students will count by 2s, 3s, 5s, and 10s to one hundred.

First Grade Essentials:
- Count by twos to thirty.
- Count by fives to one hundred.
- Count by tens to one hundred.

Second Grade Essentials:
- Skip counting using 2 to 3 digit numbers.

Materials:
- Skip counting partner worksheet
- Skip counting individual worksheet
- Hundreds Chart
- Computers- skip counting online game (bring up before students arrive)
- Number word flashcards
- Skip counting songs

Procedure:

9:00-9:10 – SMART Board Hundreds Chart
- Introduce lesson by skip counting on the SMART Board. Skip count by 2s, 3s, 5s, and 10s
- Sing correlating songs
- Show students how to play online skip counting game: http://members.learningplanet.com/act/count/free.asp

9:10-9:20- Skip Counting Games
- Half of the students play online skip counting game
- Half of the students play Popcorn Counting 0-50- skip counting with timer
9:20-9:30 - Partner Worksheet
- Explain worksheet on SMART Board - complete one as a whole group
- Students work in partners to complete skip counting worksheet

9:30-9:40 - Skip Counting Games
- Half of the students play online skip counting game
- Half of the students play Popcorn Counting 0-50 - skip counting with timer

9:40-9:50 - Individual Worksheet (Assessment)
- Students complete skip counting worksheet individually
- MFF (Math Facts in a Flash) when complete

Adaptive Instruction:

Multiple Learning Styles
This lesson incorporates multiple activities to meet the needs of the many different learning styles. The lesson begins with a large group activity that involves an interactive PowerPoint presentation on the SMART Board. The activity includes learning two songs that will assist the students on learning how to skip count. Students will be given opportunities to interact with the SMART Board using a hundreds chart to skip count. During this time the students will be introduced to an online skip counting game. The game will allow each student to work at his/her own pace and level. The more advanced students can choose to count by other numbers if they have mastered the 2s, 3s, 5s, and 10s. The game requires students to skip count well into the hundreds. Another activity played during this lesson was a game called Popcorn Counting. This is a game where the students work together in a small group to skip count to one hundred using index cards with number words on them. This game has no winner or loser; instead the team works together to improve their time. During this lesson students also work with a partner and then individually to complete skip counting worksheets that they will be assessed on. As you can see the needs of many different learning styles is being met throughout this lesson.

ADD/ADHD
There are several students in this class who have been diagnosed with or display the tendencies of ADD/ADHD. These students will greatly benefit from the constant switch of activities. Students will not work on any single activity for more than ten minutes. Beginning the lesson with a song in which I encourage the students to get up and dance will also help these students learn more effectively. In past lessons using the computer to play online games has been very successful for these students. The fast paced online game in this lesson should help these students stay focuses.

Learning Disabilities
Being able to work at your own level and pace will be a huge benefit to students with learning disabilities. Using the online game that I am using will allow these students to take their time and thoroughly learn how to skip count. If they need to count by 2s the entire time they can, and other students will not know. Participating in the Popcorn Counting game might by more
challenging for these students, so I will pair them with a more advanced student to assist them. I will also allow students with learning disabilities to use the number side of the cards instead of the word side.

**Emotional Behavioral Disabilities**
This activity might be challenging for the student with emotional behavioral disabilities because it requires self control. It might be challenging for this student to participate in a singing and dancing activity because they may not be able to settle down as quickly as the other students. I will talk with the student before the lesson begins. I will also have a student model how to act appropriately before beginning the activity. This will help this student see how they need to be acting. As usual, constant supervision will be used with this student. I will continue to use this student’s behavioral checklist throughout the lesson.

**Assessment**
Students will be assessed in multiple ways throughout this lesson.
- When students are playing the online skip counting game, I will make a check on their math chart when they master a level. This will help me see which students need more work.
- Students will also be assessed on skip counting worksheets. They will complete one with a partner. Students will be checked upon completion, and they cannot move on to the next activity without having all correct answers.
- At the end of the lesson, the students will receive a second skip counting worksheet in the same format as the partner worksheet, but with different problems. They will work on this individually. This worksheet will be assessed to see which students can test out of skip counting and which students need more work.
- I will also be taking anecdotal notes throughout the lesson if I see something that requires more work or praise.