Standing Jumps Lesson Plan

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2nd Grade

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***Michigan Curriculum Framework* Content Standards and Benchmarks:**

2.MD.A.1

2.MD.D.9

**Lesson Outcomes:**

TLW measure and record distances using a tape measure

TLW find correct place in numerical line

TLW explore what a median is and how to find it

**Rationale/Purpose for Lesson:**

This lesson allows the students to explore how to find a median and see how it might be used as data.

**Assessment:**

Students will be informally assessed on their reasoning and explanations in their learning log journals.

**Resources/Materials Required:**

Tape measures

Pencils

Paper

**Introduction:**

For our lesson today, we will be gathering our own data and using it to find an important piece of information: the median. I made groups of three based on your birthdays.

**Procedures:**

1. Take students outside. Explain procedure of completing and measuring jumps: start on line, jump with feet together and without an approach, one person marks the end of the jump with chalk and then the other person measures it. Switch jobs so each person completes each job once.
2. Go into gym. Each student writes their own jump length on a paper. Students will make a numerical line, all facing the same direction.
3. Teacher asks students to guess which jump is the median (middle number). Students should explain their reasoning with their answer.
4. One student at each end of the numerical line is asked to take two steps forward. Continue until there is one or two students left in the first line. That student’s jump length is the median.
5. Go back to classroom and have students record their learning in their learning log journals.

**Closure:**

Give students a chance to share their learning log responses. Discuss why the numbers must be in numerical order before finding a median. What are some ways that knowing the median of a data set could be useful? Since the groups are separated according to birthdays, find the median date of birthdays in each group. In the next few days we will be learning other ways to find the median and how it can be represented on graphs and line plots.

**Evaluation and Reflection: (to be completed after the lesson has actually been taught)**

I think the students had a lot of fun and it was a good activity to get them out of their seats. There were a few times that behavior was a problem, and it was hard to teach in the gym so management is very important during the activities. It worked well to have the students record what they had done in their learning logs—for me to be able to see it and also for them to be able to reference it in the future lessons. They also really enjoyed finding the median of their own information, especially their birthdays.