

## Jump and Graph

**Introduction:** In third grade math, students learn to measure using different units. While completing this activity, the students will jump, measure, and then graph the lengths of their jumps. This lesson provides a fun and physical way to learn how to measure length.

**Grade Level and Subject:** 3rd Grade Math and P.E.

**TEKS:** Math – 11A (\*STAAR Supporting Standard), 13 (\*STAAR Supporting and Readiness Standard), 14A  
P.E. – 1B, 1C, 3A, 3B, 7A, 7C

**Materials:** Yardsticks (one for every two students), paper, pencils, chalk

**Resource:** *Physical Education Methods for Classroom Teachers Human Kinetics* by Bonnie Pettifor. ISBN: 0-88011-842-3

**Activity:** The students are to be paired into groups of two. The activity can be performed on the playground or in the gym.

The teacher will draw a long, even line with chalk that the students will use as their starting point. Each pair of students will decide which student will perform the activity first.

On the starting signal, one student in each pair will stand on the starting line. That student will jump as far as he or she can and will stand at the spot of the jump. The other student will use the yardstick to measure the length of the jump. He or she will draw a line (with chalk) where the first student landed and write the length on a piece of paper. The student who is jumping will then travel back to the starting line and jump again, trying to jump farther than the first jump. His or her partner will then measure the result of the jump, marking the landing spot with chalk and recording it on the paper. The students will repeat this procedure five times, with the one student jumping and the other student recording the lengths of the jumps.

After the five jumps have been completed by the first student, the second student in the pair will get his or her chance to jump five times. His or her partner will measure and record the jumps.

Once everyone has finished jumping, the teacher will take the students back to the classroom. Each student will then be responsible for completing a bar graph of his or her five jumps. The teacher can then display the results of the jumps.

**Evaluation:** The teacher will monitor and observe all action. If a student is using the yardstick incorrectly, immediate instruction should be given.



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