

Math Relay Races

Submitted by:
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21st CCLC After School Program

Grades K-6

The following after school homework activities reflect modifications to incorporate more physical activity into our structured, academic program:

Equipment:

- Index Cards
- Two Markers
- Large Foam Dice (for math)
- Laundry Basket to Catch Dice
- Dry Erase Board (for word scrambles or math equations)
- Space to run (we hold this activity in the gym but it could be done in a wide hallway)

Instructions:

- Break students into two groups.
- Put one student in charge of the dice.
- Form two lines of students that are both of equal distance from the laundry basket held by the student volunteer.
- Hand the student at the beginning of each line a marker, index card and one foam die.
- The group leader yells roll and the two students throw the dice into the laundry basket held by the student in charge of the dice and observe the number shown.
- Students perform the predetermined math function in their heads and write the answers on their index cards.
- When they have the answer on their index cards, they hand the marker to the person behind them.
- Students then race to the group leader who is several yards away and the first person with the right answer get a point for their team.
- The two students then run to join their teams at the back of the line.
- The next students step up for their turn and so it continues until all students have had a chance. The team with the highest points wins.

Modifications: Spelling words, social studies or science facts, word scrambles. If students need to work on math, decide beforehand if they are adding, subtracting or multiplying the dice, deciding prime numbers, plotting answers on a number line or completing an equation for x and y . If students are working on vocabulary words, the group leader or an appointed student reads out the definition and the answer is then written on index cards. For scrambled words, use the dry erase board to scramble spelling

or vocabulary words and the unscrambled answers are written on index cards. All variations require students to run with their correct answers written on cards to the group leader who also serves as the answer checker.