

# CONNECT 4 MATHEMATICS

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Grades: K-6

FORMATION: STANDING IN THEIR OWN PERSONAL SPACE

EQUIPMENT: BEAN BAGS, CONNECT 4 NUMBER BOARD {AS SHOWN BELOW}, EXERCISE CARDS {INCLUDED IN PRINT OUT}

LEARNING OUTCOMES: MATHEMATICS

**Safety Considerations:** Remind participants to be cautious when moving and to be aware of the personal space of others. Check that the participants have enough space to perform the activities safely.

**RULES/DIRECTIONS:**

Print and cut out the game board and markers provided or use your own.

We did this activity as an exercise version of the game Connect Four where you have to try and get four of your teams markers in a row either diagonally, horizontally, or vertically. Have the class divided into two teams. Alternatively they place their marker on the game board with each student in the class having a turn. After each student's turn, the whole class does the exercise listed on their marker. Each time their team gets connect four, they receive one point.

The activity can be used to teach various math outcomes such as having the students rounding off the number to the tens place after they place their marker on a number {for this activities 0-9 number strip is not used}. We also play as multiplication activities which involved using the strip of factors below the game board. The players use his/her beanbags to cover 2 factors and then place their exercise maker on the solution.

### Connect Four - Game Board

7	36	64	12	36	27	4
27	1	16	6	8	20	48
6	14	25	35	24	40	18
72	28	81	2	0	10	49
15	21	8	54	16	63	18
21	32	9	42	30	4	5
24	3	0	45	9	12	56

### Strip of factors

0	1	2	3	4	5	6	7	8	9
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Examples exercise movements {print & cut 2 different colors}

Bicep Curls

Knee Lifts

Jumping Jacks

Sit-ups

Push-ups

Heel Jacks

Skipping

Knee Touches

Bicep Curls/ Heel Jacks

Squats

Lunges

Shoulder Presses

Jumps to the Sky