Outdoor Math Fun

for Kindergarten & 1st Grade

CONTRIBUTED BY:
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LESSON SUMMARY:

This activity was designed for students in Kindergarten and 1st grade, as a fun way to review math concepts with movement outdoors.

GRADE LEVEL STANDARDS:

Kindergarten: CCSS.MATH.CONTENT.K.OA.A.5
Fluently add and subtract within 5.

1st Grade: CCSS.MATH.CONTENT.1.OA.C.6
Add and subtract within 20, demonstrating fluency for addition and subtraction within 10. Use strategies such as counting on; making ten (e.g., 8 + 6 = 8 + 2 + 4 = 10 + 4 = 14); decomposing a number leading to a ten (e.g., 13 - 4 = 13 - 3 - 1 = 10 - 1 = 9); using the relationship between addition and subtraction (e.g., knowing that 8 + 4 = 12, one knows 12 - 8 = 4); and creating equivalent but easier or known sums (e.g., adding 6 + 7 by creating the known equivalent 6 + 6 + 1 = 12 + 1 = 13).

ACTIVITY #1: HIDDEN NUMBERS SCAVENGER HUNT

Materials:

-20 large numbers

-Clipboard for each student

-Hidden Numbers Log for each student

Set up:

Choose 20 different numbers that can be made into different math equations. Securely attach those numbers around your outdoor area.

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Directions:

The students are to search for the numbers. When they find a number they write it down on their log. Once the students find all the numbers, it's time to go inside and have some math fun. Students should then take the numbers they found and use them to make as many math equations as possible. For example, if they found 40, 53 and 13, they could make: 40 + 13 = 53, or 53 - 13 = 40.

ACTIVITY #2: MATH EQUATION EXERCISES

Materials:

Equation & exercise posters: each with a different set of 3 math equations, paired with a type of movement/ exercise. The 3 different math problems on each poster should include:

1st: an equation only using numbers 0 through 5
2nd: an equation using numbers 0 through 20.
3rd: a challenge equation

Set up:

Secure the equation & exercise posters around your outdoor area.

Directions:

In your outdoor area, students are to find a poster and solve one of the equations on the poster. Whatever the solution is - they are to do that many counts of the poster's exercise. Once they complete that equation, students should find the next poster to work on. If they make it around to all the equations/ exercises they could challenge themselves by doing another equation on the posters. For a challenge you can also have the students do different locomotor movements as they move from one poster to the next.

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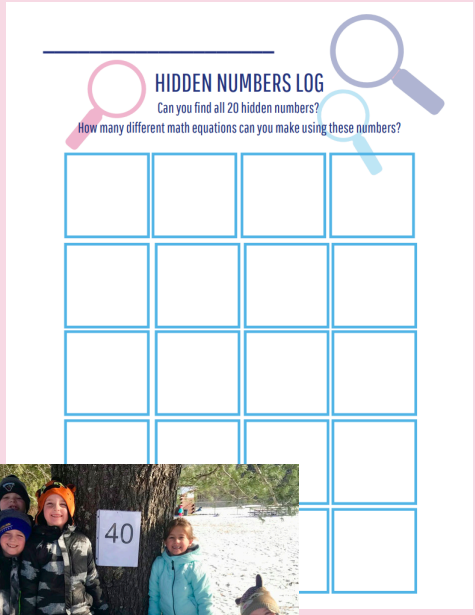
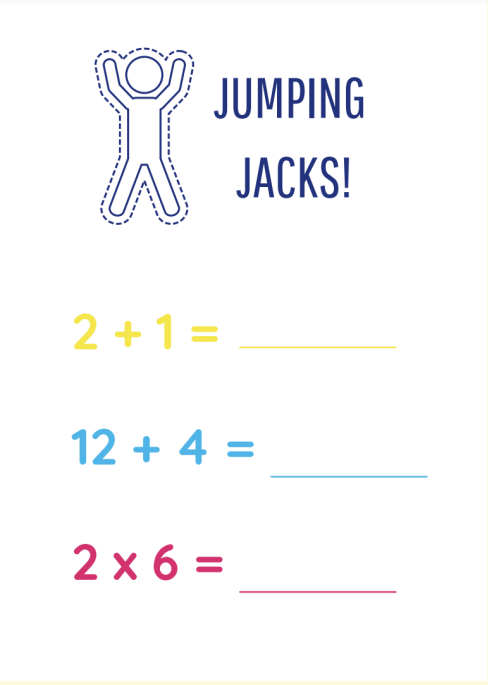
SAMPLES

Activity #1:
Hidden Numbers Scavenger Hunt



Activity #2:
Math Equation Exercises



Equation & Exercise Poster Sample

Find more activities for your classroom or for learning at home in our WinterKids GOAL Binder! Purchase a copy here: https://winterkids.org/product/winterkids-guide-to-active-outdoor-learning-goal/