

San Antonito STEM Magnet Snow Day BINGO-Grades 3rd-5th

If APS cancels school due to the weather, students are encouraged to complete 1 or 2 related activities from this BINGO card for their asynchronous learning. Black out cards can be redeemed for a prize from the treasure box!

M	A	T	H	!
Survey family, relatives, and friends about their favorite winter activities (e.g., skiing, ice skating, building snowmen). Then create a bar graph or pie chart to display their findings. Write 3 math word problems based on the data illustrated in the graph.	GO OUTSIDE & Build a snow person. Measure the height & width. Have a parent/guardian take a picture of you AND your snowperson and send it to your teacher!	Find objects in your house that are a circle, square, trapezoid, triangle, cylinder and cone. List the sides, edges and vertices of each.	Choose 5 pages of a book. Make a bar or line graph and record how many times these words are used: the, a, is, and, it. Which word is used the most? least?	Listen to your favorite song and find out how many different instruments you can hear. Make a chart of the instruments based on their instrument family (strings, percussion, brass, woodwinds, keyboards). Which group has the most?
Find a book and read for 20 minutes. After 20 minutes, count how many pages you read. How many pages per minute did you read?	Write a list of winter-related items to measure (e.g., a snowflake, a hot chocolate mug, mitten, sled). Students measure items in inches and centimeters, recording their findings in a chart they make.	Measure different objects around the house using rulers and measuring tapes, practicing units of measurement and conversion.	Find items around your house with which to create arrays. Some examples are coins, beans, legos, stuffies or beads. Create these arrays: 3x6, 4x8, 7x6, 9x5, 6x6.	Create snowflakes by folding paper and cutting out shapes. Unfold your snowflake, identify and label the geometric shapes you've created (e.g., triangles, hexagons). Then, calculate the total number of shapes your snowflake has.
Fill a cup with snow. Observe its properties throughout the day. Write down three observations about the changes that you saw.	Write a creative, imaginary story about someone who has never seen, heard, or felt snowfall before and then witnesses their first winter snow storm. What might they think is happening? How might they react? What sensations might they have?	Use a ruler to measure the snow on the ground. Two hours later, measure it again. Two hours after that, measure it again. What was the total change? Make a graph that shows this change	Design and build a marble run using cardboard, tape, and other household items, focusing on angles, slopes, and cause-and-effect.	Create a paper chain where each link represents a number, and set a challenge to create a chain with a specific sum or pattern.
Provide marshmallows and toothpicks and challenge kids to build the tallest tower or a specific structure, discussing geometric concepts as they build.	Build as large of a snowball as possible by rolling a snowball across the ground. Once you can't get it to move any more, or can't find any more snow, measure the circumference of the snowball (the distance all the way around the outside). Then, break the snowball in half. Measure the diameter of the snowball and the radius (the distance across the inside of the snowball, and half the distance across the inside of the snowball).	Plan a hypothetical winter outing with the set budget of \$100.00. The budgeted items include: food, an outdoor winter activity, and an indoor winter activity. Students research prices, create a budget plan, and ensure they stay within budget while justifying their choices.	Activity: If students have icicles outside, they can measure them using a ruler or tape measure. If not, they can draw imaginary icicles of different lengths and compare. Ask them to order the icicles from shortest to longest or estimate which ones are the same length. Objective: Practice measuring and comparing lengths.	Get dressed in appropriate winter clothing. Using an appropriate tool, clear off your deck, patio, porch, entryway, or driveway of snow. Look at the time when you start, and when you finish. Based on how long it took you to clear/shovel the snow, create a mathematical expression to estimate how long it might take to clear a path from your home to San Antonito Elementary using the same tool and working at the same pace. Follow up by calculating the volume of snow that you removed (length x width x height) and then provide an estimate of the volume of snow that would have to be removed to clear the roadways between your home and the school.
Conduct a geometry scavenger hunt around your house to identify different shapes. .	Use a piece of paper to make a snowflake that is symmetrical. Draw the line of symmetry.	Make a recipe with a grown up (or by yourself). Calculate how much of each ingredient you would need if you wanted to double the recipe.	Track the temperature outside every hour, then create a graph to show the change throughout the day.	Throw 10 snowballs at a small target. What fraction of snowballs hit the target? What fraction of the snowballs didn't hit the target? Simplify the fractions if possible.