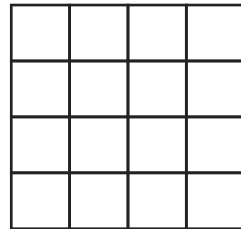


STEAM Summer Activity Kit #1:

Scale Drawing with CHALK

Step One: Make your GIANT Chalk Grid

Find an open piece of sidewalk or driveway. You are going to make a grid of 16 squares that are each 1 foot wide, and 1 foot tall, like this:



This paper is the same size each square should be, so you can use it as a tool! You may want an adult to help you with this part.

Method 1 - Measure & Draw Method: Use a yardstick or measuring tape to draw a square that is 4 feet wide and 4 feet tall. Then, line up the bottom left corner of your paper with the bottom left corner of your big square. Make a mark on the sidewalk at the bottom right corner of your paper. Then move your paper along the bottom edge of your square, so that the bottom left corner touches the mark you just made. Make a new mark where the bottom right corner of your paper is now. Keep moving your paper and marking the sidewalk until you have gone all the way around the square. Finally, draw lines to connect the marks across from each other on the square. These lines will make your grid.

Method 2 - Tracing Method: Place this paper on the sidewalk and trace around it to make your first square. Then move the paper to the right and trace a second square, touching the first one. Keep moving and tracing until you have a row of four squares. Then make a new row of four squares right on top of the first row. Then make two more rows on top of those. Now you should have four rows of four squares each - a grid!

Step Two: Number Your Chalk Grid

With a piece of chalk, number each of the squares in your grid 1 through 16, just like the picture below. Write the numbers small and in the corner so you can color them over later. This will help you to keep track of which square you're working on.

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16

Step Three: Make Your Outline

Look carefully at the image at the bottom of this page. You are going to use your grid to make a giant version of this picture, with chalk! Start with the first square (square #1). See if you can copy the lines in square #1 on the picture into the big square #1 on your chalk grid. Take your time. It might help you to make a mark where the lines begin and end on the square, before drawing your whole line. You might also want to use another piece of paper to cover up the other squares in the image so you can just focus on one at a time. Once you are finished with square #1, move on to the next square. Keep going until you have copied all sixteen squares. Now you should have a giant version of the picture on this page!

Step Four: Add COLOR!

Use the chalk provided to color in your picture. We've included the real photo the picture is based on, so you can use that for inspiration as you color it in. Feel free to add other colors and get creative about how you want your final picture to look.

Don't forget to claim your ticket!

You can earn a bonus ticket for the Summer Reading Raffle for completing this project! Take a picture of your drawing (don't worry if it's not perfect) and, with your parent's permission, either: a) share it on Facebook or Instagram and tag Salmon Public Library, b) email your photo to salmonlibrary1@gmail.com, or c) come to the library and show it to us! **Then**, come to the library on or before **Saturday, July 18** to claim your bonus ticket.

