

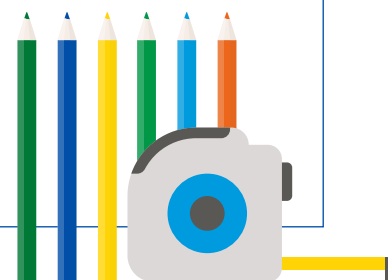
Kitchen PLAN

EXPLORATORY QUESTION: What are the dimensions of your kitchen? How big is it, really? How is your kitchen broken down into different areas? How can we use measurements and cost to estimate how much redoing certain surfaces will cost?

PROJECT GOAL: To draw out a birds eye view plan of your kitchen and measure all the spaces. To develop a basic understanding of square footage and the space you cook in. To create a proposal for the cost estimate of redoing the counters and flooring.

SUPPLIES NEEDED:

- ✓ Measuring tape
- ✓ Paper and pencil
- ✓ Large paper to create plan on
- ✓ Colored pencils/markers if you want to get colorful



INSTRUCTIONS

- STEP 1** Let's explore the room you get to make yummy recipes like the Ranch Mac n cheese in. First take a walk around. Pretend you are an architect or perhaps an interior designer who's looking to redo the kitchen. First take note of all the surfaces you'll be working with.
- STEP 2 Let's start measuring!**
- Do a quick birds eye view sketch of the layout of your kitchen including counters, sink, fridge, stove etc.
 - How large is the room? Do your best if you have to measure around/on top of counters but get the length and width of the room in feet and inches. Make notes on your sketch of all your findings.
 - Now measure everything else you sketched out in your bird's eye view of your kitchen. Make sure to note the length and width of everything including the floor
- STEP 3** You are going to figure out the square footage of the kitchen you're working with. Multiply the length of the room x width of the room i.e. $20' \times 10' = 200$ sq ft
- 💡 **TIP:** ' = feet and " = inches, 'sq. ft' = square feet
- STEP 4 Now you've done your homework, sketch out your final drawing of the kitchen including all of your measurements.** For each surface i.e. the floor, the counter, the sink calculate the area. Length x width. You can get creative and use color here.
- STEP 4 On a separate piece of paper create your proposal for redoing the counters and flooring.** Come up with a number for how much the material you're going to be working with costs. For example, marble for the countertop is \$40 per sq. ft. and wood for the floor is \$20 per sq ft. Now multiply the cost by how many square feet you'll need. Write this out and try doing the math. Ask a parent or older sibling for help if you need.
- STEP 4 Show your proposal to your family!**