

Materials

- Ruler or measuring tape
- Graph paper
- Writing utensil

Architects use a **floor plan**, or a drawing of a room or building from above, to help plan construction, show people their plan or to make a record of a building that already exists. Today we are going to make our own floor plan. We will use paper and pencil, though nowadays it is more popular to use **CAD** software, or computer aided design.

1 Measure your bedroom or whichever room you want to draw. Measure the larger furniture in the room like a bed, chair, table, etc. You will only need to measure the width and length of the room and objects. Measure the width of the doors in the room. Why would you need to only measure the width and length when doing a view from above?

2 Make a scale or a ratio of size that fits your graph paper like one foot equals one square on the graph paper. Make sure to write your scale on the paper so others know what scale you used. Draw your room, doors and large objects in the room on the graph paper to that scale. Label the windows, doors and furniture when you are done drawing it.

3 After you draw the one room. Design your own dream room. You can make it look however you want and put whatever furniture you want in it. Make sure to still use a scale and label the objects you put in it when drawing this floor plan. When you finish your dream room share your floor plan with us!

