

Spaghetti Diagram Directions

Name: _____

Grades: 6-8

Directions: Print and use this worksheet **OR** you can use the directions in the slideshow!

Materials Required:

1 piece of paper, colored pencil/pencil/pen (**different colors** will be good if you have some!)

Directions:

1. Grab your piece of paper and draw the rooms in your house!

Tip: Think of paths that you use A LOT in your house, like going to watch TV, going to the kitchen, and other activities.

2. Get up and walk to a few places around your house and count how many steps it takes to get there! Do this for some different activities! Draw the lines on your paper and write how many steps it took!
3. Take a look at the longest lines. How can you make them shorter? What will happen to the lines that are already short?

Now we're going to make our house layout better with the information we have!

4. Draw your house again, but put the rooms you use a lot closer together.
5. If you count your steps again, it won't take as many!
6. If you could build the house again, would you use this new layout? Why or why not?