

Today's goal is to get used to using various measuring & cutting tools.

The class will be split & half will be working with Ms. Price (chop saw), and half with G (clamps, circular saw & jigsaw).

Chop/Mitre Saw: Ms. Price

Step #1: Get a measuring tape (one per pair) and shop pencil (provided).

Step #2: Identify markings on steel tape (1/4 inch is which line? 3/16 is which line? etc.)

Step #3: Decide on a measurement (less than 12 inches, but including fractions) to tell your partner (don't tell him/her yet). Write that number here: _____"

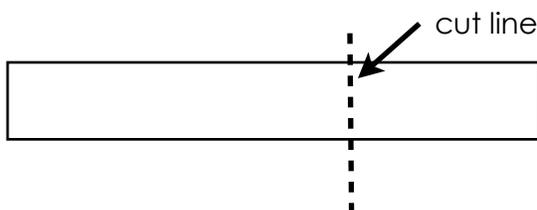
Step #4: Find a piece of **scrap** 2x4 (both partners should have one)

Step #5: Tell your partner the number you wrote down. Partner must measure & mark that on their scrap wood. It must be exact.

Step #6: Partner passes you the wood and you check to be sure the marking is exact. ("Measure twice, cut once.")

Step #7: Go see Ms. Price at the chop saw for rest of tutorial (whole group will receive instruction at the same time, so pay attention!). Answer the following questions during live tutorial:

- 1.) Where is the power trigger on the chop saw? _____
- 2.) When do I grip the power trigger? (only **after** I've 1.) _____,
2.) _____ 3.) _____
4.) _____ and 5.) _____)
- 3.) Should the LONG side or the SHORT side of the board be to the left of the blade when cutting? _____ Why? _____
- 4.) Which side of the "cut line" should I put the blade on when cutting? _____ (Remember, the thickness of the blade can "shorten" your cut.)
- 5.) Once cut, how do I mark my board so others know what was cut/needed? (Mark below.)



You will need:



Circular & Jig Saws: Mr. Gutkowski

Step #1: Partners get a clamp (C clamp or quick clamp) from G.

Step #2: Using a piece of scrap luan (partners only need 1 piece), clamp the luan to the work table. (You must try BOTH types of clamps, and BOTH partners must try.)

Step #3: Unclamp your wood and give to someone who has not tried. (if needed)

Step #4: On one side of a piece of scrap luan (leave space for clamping to table), trace a random shape with carpenter pencil. Both partners should have ONE "shape". (Don't get too intricate. Examples below...)



Step #5: Once you've tried both clamps AND each have your shape, return to Mr. Gutkowski, for a demonstration of how to use both circular & jigsaws. (Whole group will receive instruction at the same time, so pay attention!). Answer the following questions during live tutorial:

Where is the "safety" & "guard" on the circular saw? (label each on image below).
What is the purpose of each?

What are some things you should **never** do when using these saws?

What are some things you should **always** do when using these saws?

What are some tips that make using these saws **easier**?

You will need:

