



ESTIMATED LENGTH: 3 HOURS

ESTIMATED COST: \$5

NEEDED MATERIALS:

- 1 X 8 boards to cut down
- 80-180 grit sandpaper(start with 80 and end with 180)
- Standard 1/4" plexiglass
- Stock paper to print certificates on

INTRO AND CLASS SUMMARY

1. Gather Students And Begin In Prayer.

2. Read And Discuss Quotes:

“Now, let me tell you something: Each man that’s borned again with the Spirit of God in him is a miniature creator. Now, that might shake you a little, but that’s the truth. We’re in the image of God. God is a Creator.”

55-0610 DO YOU NOW BELIEVE

“You know that man is a creator in himself? How many believes that? He’s a son of God in his fallen condition.”

54-0724 A PERSONAL EXPERIENCE WITH GOD

3. Class Summary.

In this class you will learn the basics of woodshop tools, safety, and wood craftsmanship, and you will build your own woodshop 101 certificate plaque to take home with you.

4. Tool Recognition:

Go over the names of each of the tools that will be used for class and what each tool is used for.

Explain the parts to a ruler and square:

Feet

Inches,

Fractions (1/2, 1-4, 1/8, 1/16)

Test a square for “square” on a scrap board.

5. Hand Out Worksheet.

6. Go Over Shop Rules And Safety.

7. Read And Discuss Quote:

“Like a contractor to build a building, unless he could read a blueprint, there’s no need of him trying to build the build-

ing, if he doesn't understand the blueprint. And then when he understands the blueprint, then he knows how to build the building. That's—that's the way it is. That's what happens about building the Kingdom of God. You've got to understand the Blueprint, and you won't know the Blueprint until you're born again. And when you're born again and then deny the Blueprint, what takes place?"

61-1231M YOU MUST BE BORN AGAIN

8. Read And Discuss Scriptures:

THE ARK: BEZALEEL AND AHOLIAB - EXODUS 35:30

THE BRASS FOR THE TEMPLE: HIRAM - I KINGS 7:13

9. Reading Drawings:

GO OVER THE FUNDAMENTALS OF READING A DRAWING.

HAVE STUDENTS DRAW/COPY THE TIC, TAC, TOE BOARD ONTO THE GRAPH PAPER.

BREAK (IF NEEDED)

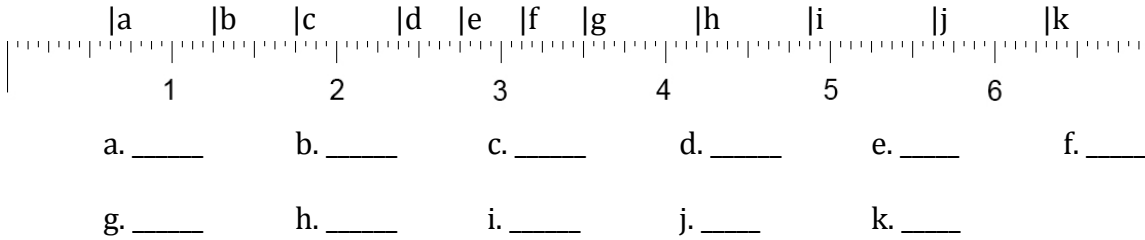
BUILDING THE PLAQUE

(WORK IN GROUPS OF 4 KIDS FOR THE FIRST TWO STEPS.)

- 1** Have each group of 4 students plane their board to 5/8" thickness with planer.
- 2** Have each group of 4 students rip board to 7" wide with table saw.
- 3** Each student will then measure, mark, and use miter saw to cut 9" long.
- 4** Some students can start sanding edges and surface of board (p180 and p220 sand until all saw mark and scratches are gone, being careful to not round corners or edges). As sanders free up students can rotate.
- 5** As students finish sanding, they can begin to spray clear lacquer from a aerosol can on the plaque.
- 6** Glue certificate to plaque. Use 3M 77 spray adhesive on board only. It is important to mist it lightly then let it dry for a few moments until tacky.
- 7** Sand edges of plexiglass (precut plexiglass to same dimensions as board before class).
- 8** Mark and drill holes in plexiglass 3/8" from each corner. The brass head nails will go into the hole as drilled so it is important to drill straight or the nail head will crack the plexiglass.
- 9** Nail plexiglass so that it is flush on all sides of board over certificate and with 5/8" brass nails.

Wood Shop 101 Worksheet

Write the measurements for each of the points below. Be accurate to the nearest 1/16 inch.



Measure the following lines with your ruler. Write the answer above the line.

Measuring your block of wood. After you are finished, switch with your neighbor, and measure his block. Compare your answers, but do not change them to match his. Be as accurate as possible.

| | Your block | | Second block |
|----------------|------------|-----------------|--------------|
| Measure length | _____ | (Longest side) | _____ |
| Measure depth | _____ | (shortest side) | _____ |
| Measure width | _____ | (middle side) | _____ |

Find the name of each of the tools in your drawer. Write their names below.

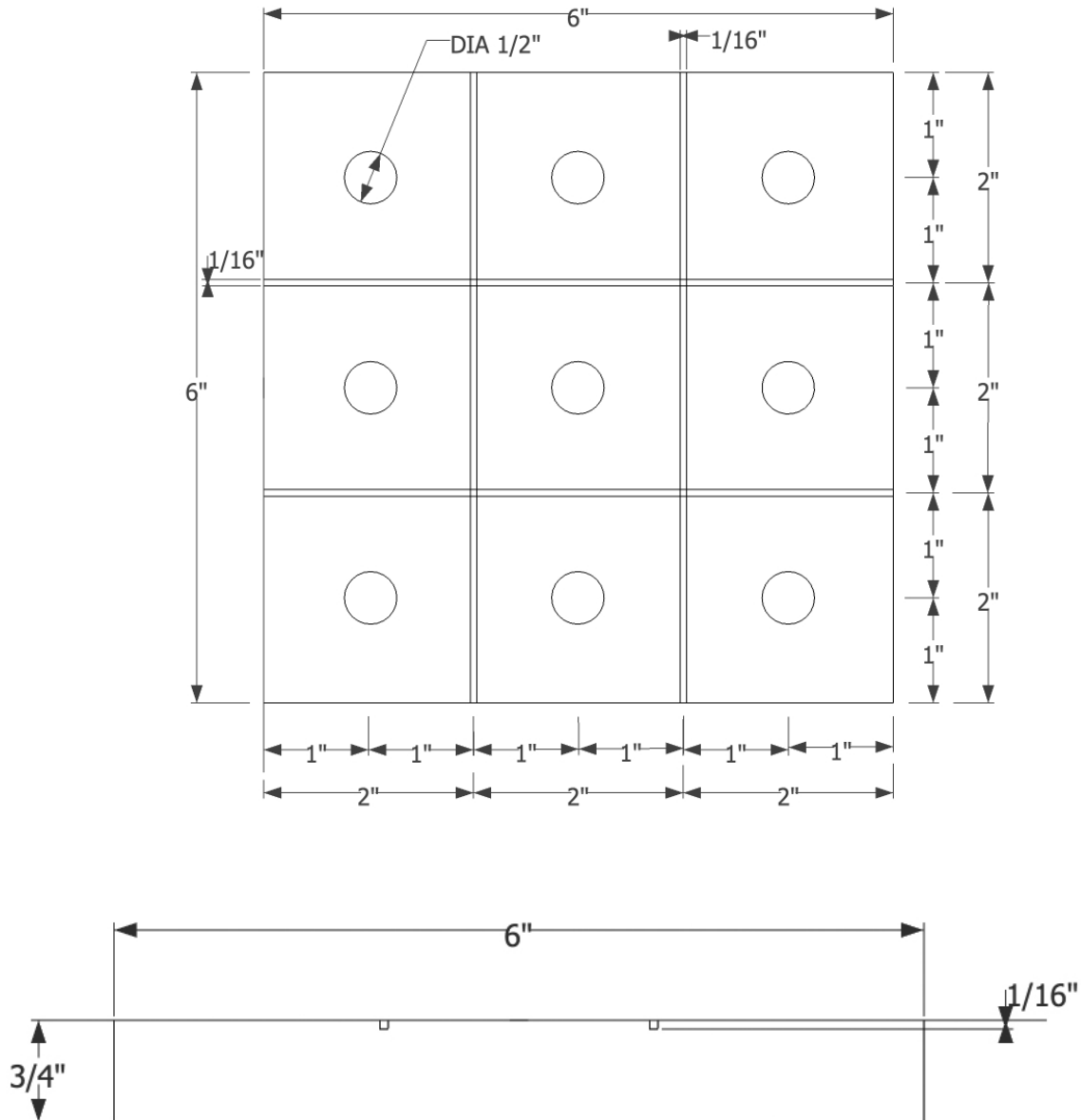
Find the name of each of the major power tools in the shop floor.

1. _____ 2. _____ 3. _____

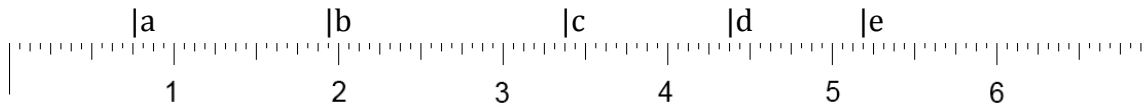
4. _____ 5. _____ 6. _____

Understanding shop drawings (Reading the Blueprint)

Like a contractor to build a building, unless he could read a blueprint, there's no need of him trying to build the building, if he doesn't understand the blueprint. And then when he understands the blueprint, then he knows how to build the building. That's--that's the way it is. That's what happens about building the Kingdom of God. You've got to understand the Blueprint, and you won't know the Blueprint until you're born again. And when you're born again and then deny the Blueprint, what takes place? 61-1231M



Wood Shop 101 Test



1. a= _____ 2. b= _____ 3. c= _____ 4. d= _____ 5. e= _____

Measure the following lines with your ruler. Write the answer above the line.

7. _____ 8. _____
 9. _____

True or false

10. ___ Always wear gloves and long sleeve shirts to protect your arms and hands.
11. ___ You must always get instructor approval for before using any power tool.
12. ___ Always work at full speed. It is important to be done "first."
13. ___ The "three inch rule" is optional. Sometimes it must be broken to get the job done.
14. ___ Do not operate any machine that you have not be certified to use.
15. ___ Obey safety rules even in the absence of an instructor.
16. ___ If you are not sure how to use a tool, try anyway, that is how you learn.
17. ___ Safety glasses are optional.
18. ___ If you already know how to use a tool, you don't need to ask permission to use it.
19. ___ The YF Woodshop is a place for work. It is not a playroom.
20. ___ A "safety first state of mind" means; listening to your instructors, following safe practices, and keeping your mind on your work.

Extra credit: 5 points

Turn the paper over and use the graph paper on the back to sketch a square, 4 inches wide and 4 inches long. In the very center of the square, draw a 1-inch circle. Draw a line a quarter inch from each edge of the square.