

Direction Announcements

1. The object of this activity is to construct a roof truss for a shed with dimensions of 6.0 feet by 8.0 feet.
2. When you start, you should check your flash drive to see that all files are accessible. If not, let us know.
3. You will be observed and scored for teamwork by contest officials. Direct any questions you have to these officials.
4. Start by reviewing the Team Activity Directions on your flash drive.
5. At your work station will be the following:
 - a. 2 – 2x4 lumber
 - b. 1 – OSB board
 - c. 1 cup of screws
 - d. Framing square
 - e. Tape measure
 - f. Corded drill
 - g. Extension cord
 - h. Phillips Head Bit
 - i. Set of Saw horse
6. **Whenever the circular saw, you must have one of the CDE Volunteer Staff supervise the set up and use of the saw for cutting the lumber.**
7. You are to use the framing square to lay out the angle for making the cuts on your lumber.
8. Layout and draw the gussets on your OSB
9. Using this information, you will construct the roof truss.
10. You will determine a length and angles for cutting the bottom chord, two top chords, and a king post (show the completed project, and move away)
11. You will layout, cut, and attach four gussets to one side of the truss.
12. You will calculate a bill of materials and cost to fabricate the roof truss.
13. You will answer a set of questions relating to this activity.
14. You will write a summary report of this activity using the guidelines found on the flash drive you have been given. You will add the answers to the questions to the end of this summary report.
15. It would be advisable to work on the summary report throughout the activity.

16. When you have finished you will turn in
 - a. The section of sprayer boom
 - b. Your flash drive with your summary report (with answer to questions) and bill of materials
17. You will wait to be dismissed by the contest officials. These are the two people who will collect your materials. (Kye and Maria)
18. You have two hours to complete this activity. If you complete it before two hours you can turn in your materials and wait to be dismissed for the exam.