

**National FFA Agricultural Mechanic
Career Development Event
2013
Team Activity
Bill of materials**

The bill of materials will provide the total cost of constructing the engine stand. It can be written on a word processor or a spreadsheet. It will include the following information about each item:

- The number of pieces
- The description of the piece
- The price per piece
- The total price for the number of pieces of that item

Additionally, your bill of materials will conclude with the total price for the engine stand.

Price of materials

- Mild Steel Angle Iron $1\frac{1}{2}'' \times 1\frac{1}{2}'' \times \frac{1}{8}''$ – \$0.91 per linear foot
- Pine dimension lumber – \$0.57 per board foot
- 9 x $2\frac{3}{4}''$ Construction Screws – \$15.19 for a 5 pound box (Approximately 75 screws per pound)
- $\frac{1}{4}'' \times 1''$ lag screws – \$0.23 each
- Washers – \$0.03 each

When you have completed your bill of materials, print a hard copy and save the file on your flash drive. Submit both the hard copy and the flash drive to the judges at the conclusion of the activity.