Class title

Project Cost Sheet

Student’s Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Type of Project: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Use the following formulas to calculate the cost of the materials used in your project.

# **Total board feet = no. of piece x thickness x width x length (divided by 144) x cost per board foot**

**Total square feet = width x length divided by 144 (used to calculate plywood and particle bd.)**

Be sure when using these formulas that the thickness is in even inches and width and length are in inches

Normally for solid wood construction always use 1” for thickness

Example: 4 pieces of oak that are 1”thick and are 8” wide and are 32” long would cost

4 x 1 x 8 x 32 = 1024 divided by 144 = 7.11 bd. Ft.

We add 30% waste factor to all of the bd. Ft. measurements then multiple by cost

7.11 x .30 = 2.13 bd. Ft.

7.11 + 2.13 = 9.24 total bd. Ft. that you will be charged for. 9.24 bd. ft. x cost of oak $1.80 = **$16.63**

The following is a cost breakdown of other materials that we us in the shop.

**Biscuits = .10**

**Screws = .05**

**Dowels = .10**

¼ veneer plywood =1.00 per sq. ft. Oak or Maple

¾ “veneer plywood = 1.75 / sq. ft. Oak or Maple

**#1 Common 4/4 cherry = $2.25**

**Select 4/4 Maple = $2.75**

**Select 4/4 oak = $2.50**

**#1 shop grade pine = $1.00**

Adjustable Shelf Clips .25

Glass and Door Clips .25

Finish stain and clear = .30 per sq. ft.

**All students must include a minimum $ 5.00 shop fee that covers misc.**

**Glue, staples, finish nails, t – nails etc.**

Group materials together on the cost sheets. Always round up to the next whole number for estimating sizes.

## **Cost Sheets**

**Students Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Part name | # piece | | thick | width | | length | | Total BD. FT. of this line or sq.ft. | 30% waste factor | | BD.FT & WASTE | UNIT  COST | TOTAL  COST |
| 1. Side (example) | 2 | | 1 | 12 | | 14 | | 2.3 | .69 | | 2.99 | 2.25 | 6.72 |
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| 39. |  | |  |  | |  | |  |  | |  |  |  |
| FINISH COST |  | TOTAL BD FT FINISHED | | | $.25/BD FT. | | TOTAL FINISHIG COST | | | | | | |
|  |  |  | | |  | |  | | | | | | |

1. TOTAL LUMBER COST/WASTE -----------------------------------------$\_\_\_\_\_\_\_\_\_
2. TOTAL PLYWOOD COST---------------------------------------------------$ \_\_\_\_\_\_\_\_
3. HARDWARE COST-----------------------------------------------------------$ \_\_\_\_\_\_\_\_
4. TOTAL FASTNERS/DOWELS, BISCUITS, SCREWS, PINS, ETC. -$\_\_\_\_\_\_\_\_
5. TOTAL FINISH COST--------------------------------------------------------$ \_\_\_\_\_\_\_\_
6. SHOP FEE **----------------------------------------------------------------------\_\_$ 5.00**

FINAL TOTAL FOR STUDENTS PROJECT-----------------------------------$ \_\_\_\_\_\_\_\_

SUBRACT PRE-PAID TOTALS --------------------------------------------------$ \_\_\_\_\_\_\_\_

TOTAL OWED TO GILLETT SCHOOL DISTRICT---------------------------$ \_\_\_\_\_\_\_\_

STUDENTS SIGNATURE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

INSTRUCTORS SIGNATURE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Space for calculations below