

# Woods Product Manufacturing

Somerset High School

Mr. Barron

## Product Selection and Evaluation Process

\_\_\_\_\_The product selection is really up to you. It needs to be Ok'ed by Mr. Barron but you need to produce a product for your client that is going to be useful, helpful and of value to them.

1. It needs to be of an original design and the only one like it.
2. It should be such that your skills and abilities are going to be challenged.
3. It must be client driven.
4. There must be some evidence that research was done to comply with the Quality Standards of the American Woodwork Institute (AWI)
5. The complexity should be of approximately 40 hours of lab time to complete, if you are planning something that is going to be more complex than 40 hours, Mr. Barron will need to arrange extra time that you will be able to spend.
6. You will help devise an evaluation system to evaluate & judge your work (product) the total point value of this product will be based on **500 points**. There will be segments of the evaluation that are developed and used as a class and there will be special areas designed especially for you and your product because it is of your design and uniqueness.
7. You will need to plan a time line with dates so that your product will be done on January 21, 2009. This time line can be along with your Plan of Procedure or evaluation----- The Evaluation Process is going to be a phase deal and not a all or nothing evaluation for 500 points on the last day of the course. If you wish I have modified the evaluation from Wood Technology that you may adapt and use as your means of evaluation.
8. You will have Mr. Barron do his evaluation first (on your scheduled dates) and then you will evaluate and hand the sheet in to Mr. Barron to record. In order to meet your deadlines you will provide Mr. Barron with your time line for your evaluations. Remember this are deadlines and need to be meet to keep your processes on schedule for completion by January 15th. The evaluations will be done **on the dates set---- they are deadlines-- be prepared!**

9. Your Product Plans will include:
  - Drawings- showing details and all joints
  - Bill of Materials - all building materials
  - Plan of Procedure and Time Line to complete
  - Cutting diagram for sheet stock
  - Goals and objectives
  - Client (name, address, contract arrangements)
  
10. You will need to include a marketing and sales plan as if you were going to market a multitude of your products. This will include a breakdown of your costs, overhead, and profit.
  
11. All safety tests will be on file in Mr. Barron's office before the tools and equipment can be used. If it is necessary to redo any safety demos, a time will be set aside for this. As a class, we will review all necessary pieces of equipment and tools for their safe and proper use.
  
12. Wood Products Manufacturing is an ongoing process and new developments and ideas will be added, or changed as deemed necessary to make the class the best it can be. Attempts will be made to bring wood manufacturing companies, businesses and personal into class to share information and ideas with us.
  
13. A field trip will try to be arranged to see how today cabinetmaking industry is operates and functions.

# :Product Selection Form:

Name: \_\_\_\_\_

Selected Product: \_\_\_\_\_

Hours to completion: \_\_\_\_\_

Special unique features: \_\_\_\_\_

Client name and address: \_\_\_\_\_

Approximate cost for production: \_\_\_\_\_

Marketing price: \_\_\_\_\_

Mr. Barron's ok: \_\_\_\_\_

Parent/Guardian ok: \_\_\_\_\_

Student signature: \_\_\_\_\_

Date: \_\_\_\_\_

Notes: