

Course Syllabus

Subject: Materials and Production Systems

Instructor: Mr. Persichetti

E-mail: mpersichetti@wtps.org

Course Description

This course allows the students to further explore the tools and techniques related to the wood working industry. Proper SAFETY procedures, the correct use of hand tools and power equipment, line production techniques and career opportunities are discussed throughout the course. Students will construct individual projects as well as a group project.

Course Outline

1. SAFETY & Lab layout
 2. Individual safety
 3. Hand tools and power equipment
 4. Lab layout and cleanup
 5. Machine Safety Demonstration Activity
 6. Proper safety procedures
 7. Parts of machine
 8. Proper operation procedures
- III. Measurement and Layout tool
1. Hand tools
 2. Types of Joints & fastening procedures
 3. Wood preparation and finishing
 4. Abrasives
 5. Stains
 6. Finishes
- VII. Types of Wood
1. Hardwood
 2. Softwood
- VIII. Project Requirements
1. Board feet calculations
 2. Bill of materials
 3. Project layout
 4. Individual projects (3-4)
 5. Group project-Production

Grading Policy

The grade for each student will be based on the following criteria:

Classroom Performance / Participation*

Homework/Classwork

Quizzes

Projects/Tests

*Your work in class is just as important as the project itself; therefore you will be given a Daily classroom performance grade.

The classroom performance grade will consist of the following criteria:

Willingness to participate, ability to follow classroom rules and procedures, following safety procedures, proper use of equipment, being prepared for class, and following clean-up procedures.