

# **Industrial Technology I Syllabus (Wood)**

## Northern High School

### Course Description:

IT I is a course designed to further advance the student interested in learning about the wood materials area of industry. The student will spend the year working in the wood lab. The student will not, however be restricted to just the wood materials area but will have the opportunity to explore any area of materials if called for.

### Course Structure:

Instruction will be given on hand tools, machine tools and other materials working equipment that the students will be permitted to use. This instruction will be given in the form of lectures, notes demonstrations and individual instruction. "Hands on" laboratory experiences constructing projects will allow the students to develop valuable materials handling skills.

### Course Objectives:

1. Demonstrate the proper care and safe use of equipment and tools.
2. Identify common hand tools and machine tools by their proper name.
3. Identify layout and construct various projects.
4. Develop a working plan and procedure for various types of projects.
5. Construct and finish projects using proper techniques.
6. Demonstrate problem-solving abilities.
7. Work productively with others.

### Course Requirements and Evaluation:

1. Notebook – each student will submit a neat and orderly notebook containing syllabus, all notes, worksheets and handouts that will be averaged with the exam scores.
2. Exams - complete all safety and tool exams with a 90% minimum before use of the equipment (20% of grade).
3. Project work – individual projects that must be approved before starting (50% of grade).
4. Class participation and productivity – students will be given a daily grade of up to 10 points per day based on the following (30% of grade):
  - A. Attendance / on task
  - B. Productivity and safe working habits.
  - C. Ability to work cooperatively with others.
  - D. Proper lab and equipment use and maintenance.
  - E. Clean up.