



## **Introduction to Industrial Maintenance**

**Instructor Information: Travis Sane**

**Cosby High School**

**3318 Cosby Hwy, Cosby, TN 37722**

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**Course Description:** Introduction to Industrial Maintenance is a foundational course that introduces students to basic industrial maintenance skills necessary in a manufacturing facility. Topics covered include safety, construction drawings, site layout, hand and power tools, linear and angular measurements, and application of algebraic and geometric principles to construction problems. Upon completion of this course, proficient students will be able to understand, describe, and troubleshoot industrial maintenance systems.

**Hyperlink to local curriculum, state standards, and/or competencies**

[cte\\_std\\_intro\\_industrial\\_maintenance.pdf](#)

**Course Content:** Course content covers basic quality principles and processes, blueprints and schematics, and systems. Content will also come from academic classes such as Algebra I, Geometry, and Physical Science. Students will work in teams to learn teamwork, students will work individually to focus on problem solving, and how to work in a safe and productive manner to understand productivity.

**Major Assignments:** In order for students to show competency with course material, students will be asked to complete a course project, as well as classwork (both group and individual), lab work, and reading and writing assignments.

### Grading scale:

In Class work = 10%	100 - 90 = A
Lab work = 30%	89 - 80 = B
Test = 50%	79 - 70 = C
Class Participation = 10%	69 - 60 = D
	59 - 0 = F

### Goals and objectives:

- Develop good habits, attitudes, judgements, and the ability to participate with other students in a work environment
- Create an understanding for the importance of the manufacturing industry in its entirety
- Create a desire in students to seek additional skills and knowledge that can be used throughout their entire career
- Develop student comprehension of science and mathematics content through application in manufacturing

### Materials:

- Chromebook
- Writing utensil / Pen (blue or black ink)
- Notebook / Binder

**Late Work:** Students will have 2 days to turn in all late work after the 2nd day student will receive a 0 or incomplete for the assignment. If a student misses my class it will be their responsibility to ask for the miss or make-up work.

**Class Rules :**

- ALWAYS BE SAFE AND WORK IN A SAFE MANNER
- ALWAYS WEAR YOUR APPROPRIATE PPE
- ALWAYS BE RESPECTFUL TO OTHER STUDENTS
- NO FOUL LANGUAGE
- NO CELL PHONES / EARBUDS OUT DURING CLASS
- NO NICOTINE ( TOBACCO, CIGARETTES, VAPES, ETC )
- NO TALKING WHEN SOMEONE ELSE HAS THE FLOOR
- ALWAYS LISTEN
- ALWAYS BRING ALL MATERIAL TO CLASS
- BE ON TIME IN SEAT AND READY TO LEARN
- NO FOOD OR DRINK IN CLASSROOM ( EXCEPT WATER )
- **RESPECT THE TOOLS / SUPPLIES THEY ARE NOT YOURS**

**Student Signature** \_\_\_\_\_

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

**Parent Signature** \_\_\_\_\_

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