Overview:
The purpose of the Computer Integrated Manufacturing course is to expose students to the fundamentals of computerized manufacturing technology. The course is built around several key concepts:

**Computer Modeling** – using a three dimensional, solid modeling software package with mass property analysis.

**CNC Equipment** – understanding the machine tools and its operating and programming aspects.

**CAM Software** – converting computer generated geometry into a program to drive CNC machine tools.

**Robotics** – using a robot for materials handling and assembly operations.

**Flexible Manufacturing Systems** – students working in teams to design manufacturing workcells and table top factory simulations.

The course will be taught using demonstration and discussion combined with individual and team-centered project based learning. In each of the learning sections students will be taught a different set of performance objectives.

Materials:
- Students will be required to have a 3 ring binder with pockets to keep materials, notes, quizzes, tests, homework, and any other handouts organized. In their binder they must have paper for notes and dividers.
- Students will need their own pen or pencil every day.
- Students must have their agenda/planner to class everyday. There will be times in class that students will need to write down important information and dates.
- Students must have their engineer’s notebook every day in class. The engineer’s notebook will be given to them at the beginning of the course.

Classroom rules:
- Be considerate of others. This means when the teacher or another student is talking, you are not.
- Come to class on time.
- All lab and machine safety rules must be followed at all times.
- Be prepared to learn and take all notes.
Consequences:

First time is a verbal warning.
Second time is a teacher detention.
Third time is a teacher detention and a call home to your parents will happen.
Forth time is an office referral.
Fifth time may result in a conference with your parents either in person or on the phone.

Grades: Each assignment will be giving a possible number of points. 5 and 10 week averages will be calculated by taking the number of earned points and then dividing by the number of possible points and then multiplying by 100.

Attendance: Student attendance is required for success in this course. In the event that any student misses 28 or more school days for class, may result in course failure.

No Fail Insurance Policy: If a student receives a grade that they feel is not appropriate, the student may make changes to homework, class work, and projects by the end of the marking period that the assignment was due to raise their grade to a level that they feel is appropriate.

Homework: There are times that you will need to complete homework in class. Homework is due on the due date. If the homework is not turned in on the due date then a zero is given for a grade. If a zero is given then the student may not use the No Fail Insurance Policy to raise their grade.

Help: If any student needs help, they may arrange a time for help before, during, or after school.

If you need to reach me, you may do so by calling the mail office at 631-7481 and then option to leave a teacher a message at Voice Mailbox #7470, or through e-mail at smitha@maryvaleufsd.org.

I want this year to be positive for all of us. More than anything for you to have a positive and productive learning experience in my class. With your cooperation we can do many amazing things!

Computer Integrated Manufacturing (CIM) 2019-2020

After you and your student have read this sheet, please detach, sign and return the bottom to me. Thank You.

_________________________________  __________________________________
(Student Signature)                  (Student Print Name)

_________________________________  __________________________________
(Parent Signature)                   (Parent Print Name)