Manufacturing (40 Weeks)

T-720, 1 Credit, 1.00 Rank Weight,

Mr. Bliss, RCK High School

Grading procedures:

Classwork…………….…….25%

Quizzes……………………..25%

Participation/Daily Grade..…25%

Projects………………….….25%

Course Description:

Manufacturing is a Full year technology class designed for juniors and seniors who have taken at least two technology classes previously. A specific emphasis will be on learning the entire process of CNC (computer numerical control) machining to complete a task.

Overview of the class:

* We will use the computer lab, wood shop, and metal shop.
* Projects will utilize:
  + - * Computer design (Autodesk Inventor or AutoCad, and vCarve)
      * CNC machining and programming (CNC Router in the wood shop, CNC plasma cutter, and CNC mill in the metal shop.
      * Traditional manufacturing methods as well. (Welding, grinding, gluing, clamping, etc.)
* Projects will be made using manufacturing techniques. This means it is like an assembly line making interchangeable parts in a repeatable manner.
* Each student or group of students will perform one task. They will determine the most efficient and repeatable way to manufacture their part.
* When parts are completed they will be assembled into a finished product and each student will take one finished product home.

Attendance Policy: Students are expected to attend class; if they do not attend class regularly they will have difficulty passing. There will be various in class assignments each week, if a student is absent they should assume that there is work to be made up.

Participation/Daily Grade: Students daily grades will be determined by their attitude, participation in group projects, class discussion, safety awareness, and willingness to clean-up at the end of class.

Homework Policy: Homework will be given periodically. Unless a student has a legal absence they will not receive credit for late work.

Contact Info (email is preferred): 298-5100 ext.31051 lucas.bliss@wcsdny.org

Students are required to attend class each day when present in school, be on time for class, be prepared with a pen or pencil and notebook, turn in homework assignments on time, complete all projects on time, follow all safety rules, and cooperate with others. If a student is written a referral for two safety violations (endangering the safety of themselves or others in any way, etc) they can be permanently removed from the class.

Manufacturing:

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

I understand and agree to follow the above course requirements.

Signature of Student: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature of Parent or Guardian:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_