Engineering Technology: 2022-23 Course Syllabus

Instructor: **Ms. Jolaine M. Price**

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Teacher website: http://lhscad.weebly.com

Online access to all course agendas and resources: www.schoology.com

Course Objective:

By the end of this course you will learn what technology is, how it is integrated in our life, how it effects our society, and be aware of technological careers. This class is a combination of traditional classroom instruction and hands on lab exercises.

Main topics include:

- Technology & Safety - what is it, how do we use it and its effect on society.
- Product Design Process/3D Printing
- Product Life Cycle/Recycling
- Structural Technology/Bridge Building
- Renewable Energy Technology/Solar & Wind
- Transportation Technology
- Bio Technology: Medical & Agricultural
- Construction Technology/Smart Homes

Student Expectations:

There is no charge or fee for this class or its projects. However, lost or damaged materials such as textbooks, parts, classroom equipment, etc. will be paid for by the student responsible.

The majority of the semester will be devoted to computer learning and hands on projects where students will demonstrate mastery through project completion and through computerized tutorials and testing. Students will be required to work independently and in small groups.

Students are also expected to prepare presentations in various formats including impromptu show and tell, PowerPoint, web pages, or written word processed reports each card marking. Students will be expected to complete assignments regularly and submit them via the classroom network to be graded.

The following textbook will be used as well as other online resources made available through the school network and the schoology website.

Wright, R. Thomas. Technology and Engineering. Goodheart-Wilcox, 2012.

GRADING:

Semester grades are calculated as:
(1st MP * 28%) + (2nd MP * 28%) + (3rd MP * 28%) + (Exam and Activity Eval * 16%)

Each marking period will be scored as follows:

25%	Daily Work	Daily assignments in order to teach terminology, improve keyboarding and current events/issues.
75%	Assessment	Assessment to demonstrate successful learning through Quizzes, Exams & Projects.

100%

HYBRID MODEL COURSEWORK: Students will attend school on alternating days divided into Cohort A & Cohort B. Students will have access to all assignments and resources on www.schoology.com. The expectation of every student is to do their best and participate in the activities as outlined on Mrs. Price's class on www.schoology.com. Classroom expectations apply. On remote days, students are expected to turn in assignments in order to prove participation and attendance.

LATE WORK: Students with excused absences will be given and extension to their due date = to # of days excused. Late work is discounted 20% each day late. Work over 5 school days late will not be accepted.

LAB HOURS: The computer lab is available after school by appointment to offer students the ability to make up work. The student must preschedule with the instructor