

Civil Engineering and Architecture (CEA) Syllabus

> Contact Information

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Class curriculum weblink - <https://my.pltw.org>

Class resource weblink - Schoology - <http://lms.fcps.org> & <https://sites.google.com/site/lancerpltw/>

> Introduction

In Civil Engineering and Architecture, students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architecture design software, AutoDesk Revit.

➤ *Students can earn college credit by successfully completing this course.*

> Course Objectives

Students that complete the project-based curriculum will:

- Unit 1 Overview of Civil Engineering and Architecture
- Unit 2 Residential Design
- Unit 3 Commercial Applications
- Unit 4 Commercial Building Systems

> Grading Policy

<u>Category</u>	<u>Weight</u>
Classwork	30%
Projects	25%
Tests	25%
Portfolio	10%
Homework	10%

TAC Grade Grades: Students and parents can view the course grades using TAC/HAC.

Regularly monitor your progress online via our grading website. (<http://apps.fcps.org/pivstatus.cfm>)

Make-up Work: Students can make-up any classwork or assignments that have been missed by an excused absence. If a student misses a day, they have a day to make-up the work. If multiple days are missed, the student needs to see the teacher to arrange a time to turn in the missed work. Students should get any missed work from the teacher directly. Most of the assignments are on the class curriculum weblink - <https://my.pltw.org>, but always check with the teacher; some assignments might have been tweak to meet the needs of the class.

Late Work: All work must be turned in by the assigned due date.

Late classwork is accepted, but will receive a “10%” reduction each school day it is late.

Major projects will receive a 20% reduction each school day it is late.

Academic Dishonesty: Students may not give or receive unauthorized aid on any assignment. Students will be held to the expectations and actions included in the LHS Honor Code found on the LHS Website. Students found to violate the policy will receive a score of zero on the the assignment.

Academics Accountability Attitude



Civil Engineering and Architecture (CEA) Syllabus

Testing Expectation: During assessment, all materials, including off/silenced cell phones, should be secured in the front of the room.

> Tutoring [Extended Learning Opportunities]

I will be available after school on Wednesdays from 2:15pm to 4:00pm in room C106. Please check with me before showing up. If you can not make Wednesdays, please check with me to work out another day. Also, PREP will be available during the school day.

> Instructional Materials needed:

- o Students are required to have a **1-1/2"** 3-ring view binder (*plastic cover sleeve*), for portfolio.
 - o Students **MUST** have a pencil every class day.
 - o A storage device to backup class files.
- Note:** Damaged or lost textbooks/school-owned materials become the obligation of the student/parent. A replacement fee will be charged for damaged or lost items.

> Cell phone policy:



All students should participate in the academic environment free of distraction. All students have access to a chromebook to use as an instructional tool. It is a school-wide expectation that students' cell phones are out of sight and out of reach during class time. Violations could lead to cell phones being stored in administrative office for the remainder of the day and other consequences.

Linganore is enforcing this policy:

- To promote undivided focus on instruction
- To practice responsible digital citizenship
- To maintain academic honesty
- To support school safety

Students and parents may text one another during class exchanges and lunch.

> Classroom Procedures

- o Come to class on time, prepared to design and participate.
- o Food and drinks are NOT allowed anywhere near the computers.
- o Cell phones out of sight, no texting,  ,  , etc..
- o Clean up your area and tools, but not until the last 5 minutes of class.

> Student Expectations

- o **ACADEMICS:**
Complete all assignments on time and with integrity | Assigned work completed | Be open to feedback and capitalize on opportunities to improve
- o **ACCOUNTABILITY:**
Bring required materials | Observe classroom safety guidelines | Use appropriate language at appropriate times | Be in your assigned seat when the bell rings
- o **ATTITUDE:**
Focused and alert | Give your best effort | Honor commonalities and celebrate differences | Support and encourage classmates

> Discipline Procedure

- o Warning/conference with student

Academics Accountability Attitude



Civil Engineering and Architecture (CEA) Syllabus

- o Phone call to parent/guardian
- o Teacher detention
- o Office referral

***Please sign the attached agreement form.
A copy of this form has been given to the student.***



Civil Engineering and Architecture (CEA) Syllabus

**We have read the course syllabus and understand the goals and policies of the classroom.
We agree to abide by and support them throughout the school year.**

student name period _____
student signature _____
date

parent/guardian name _____
parent/guardian signature _____
date

Please return this page signed and refer to the “lancerpltw” website, *given above*, to review this syllabus.