ARCHITECTURAL DESIGN I

Klein Forest High School – School Year 2026-27

Instructor: R. Collins > rcollins4@kleinisd.net > 832-484-7537 **Room:** 4029 (2nd Floor CTE Wing)

Conference Time: 3rd Period 8:55a-9:40a (also available upon request)

Tutorial Schedule: 6:30a-7:10a Monday – Friday (also available upon request)

Introduction: For comprehensive course curriculum, visit **KleinDesignClass.com**

This class is meant to be a continuation of Model Building and Computer Aided Design learned in the Principles class, as well as an introduction to the Architectural Design Process.

TEKS:

§127.105. Architectural Design I (One Credit), Adopted 2015.

General requirements. This course is recommended for students in Grades 10-12. Prerequisites: Algebra I and English I. Recommended prerequisites: Geometry, Principles of Architecture, and Principles of Construction. Students shall be awarded one credit for successful completion of this course. (b) Introduction. (1) Career and technical education instruction provides content aligned with challenging academic standards and relevant technical knowledge and skills for students to further their education and succeed in current or emerging professions. 43 (2) The Architecture and Construction Career Cluster focuses on designing, planning, managing, building, and maintaining the built environment. (3) In Architectural Design I, students will gain knowledge and skills needed to enter a career in architecture or construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, or landscape architecture. Architectural Design I includes the knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for nonresidential or residential architectural purposes. (4) Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations. (5) Statements that contain the word "including" reference content that must be mastered, while those containing the phrase "such as" are intended as possible illustrative examples.

Specific Objectives:

Unit 1: Revit Unit 2: Advanced Model Building Unit 3: Design Process

Materials:

1. Desktop computer – student responsible for proper use
2. Writing utensils – Pen and Pencil
3. Design Portfolio/Folder
4. No textbook required

Grading:

Minor Grades - (40%)

There will be a minimum of 6 minor grades per Grading Period.

Professionalism – Seated at your work station, working and allowing classmates to work on assignments for the entire period. Following all school and classroom rules, and participating in all classroom activities. YOU ARE GRADED ON THIS EVERY DAY! Every student starts each week with a 100 and 10 points are deducted for each exhibition of unprofessional behavior throughout the week.

Major Grades - (60%)

There will be a minimum of 3 major grade projects per Grading Period.

There are no tests or homework for this class. All projects will be done in class, with the option of doing work at home when possible in order to catch up or get ahead at your own pace.

Projects and Presentations – Multi-day assignments intended to be completed inside of class; though outside work may be necessary if you fall behind or cannot complete something in class. Grade will be determined by progress made on each project student is currently working on since last grading check-in.

Semester & Final Exams:

Portfolio – Keep all handouts, papers, projects and tests as a reference for future study and practice.

Extra Credit:

Extra Credit is given for any additional work completed and for helping classmates understand & complete their assignment.

Make-Up & Late Policy

The number of days you have to make-up a missed assignment equals the number of days missed. Late work will be counted 10 points off for each day late.