Unit 01: Course Intro / Architectural Styles

Content Area: **Science**
Course(s): **CAD Architect**
Time Period: **Semester 1**
Length: **3 weeks**
Status: **Published**

Standards

TEC.9-12.8.1.12	All students will use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaboratively and to create and communicate knowledge.
TEC.9-12.8.1.12.A.2	Produce and edit a multi-page document for a commercial or professional audience using desktop publishing and/or graphic software.
TEC.9-12.8.2.12.F	Resources for a Technological World
TEC.9-12.8.2.12.F.1	Determine and use the appropriate application of resources in the design, development, and creation of a technological product or system.
VPA.9-12.1.1.12.D.1	Distinguish innovative applications of the elements of art and principles of design in visual artworks from diverse cultural perspectives and identify specific cross-cultural themes.

Enduring Understandings

- Technical drawings exist as a way to communicate a proposal / idea(s) / design to others, citing specific criteria necessary for the creation of that design.
- Factors such as intended use, location/climate, size, population, demograph, environment, etc influence decisions when designing a structure.
- Visual design principles and elements constitute an aesthetic vocabulary that can be used to describe buildings and may help identify the buildings function, location, or time period.
- Form relates to the aesthetic value of a structure while function refers to its practicallity or serving an intended purpose.

Essential Questions

- What rules and regulations exist that are necessary for success in this course?
- Why do we create technical drawings?
- What factors influence decisions made for design?
- How can the principles and elements of design influence an individuals interpretation of a design?
- What does form and function mean in architectural design?

Knowledge and Skills

Students will be able to:

- Cite the rules and grading criteria for the course.
- Characterize architecture/technical drawings by participating in an in class discussion.
- Develop a presentation that illustrates specific characteristics of one architectural style.
- Apply specific examples of the design principles and elements in their PowerPoint Presentation using content discussed in class.
- Distinguish style differences presented to the class by completeing a styles worksheet.
- Present a PowerPoint presentation on a specific architectural style identifying key characteristics of an architectural style.
- Test their knowledge on architectural styles and the principles and elements of design by completing a quiz covering this content.

Assessments

https://docs.google.com/document/d/1wR7bQF-8AQoRrt0g4C3hKja0yjwDjC9_BiAmONWbTcI/edit

Modifications

https://docs.google.com/document/d/1ODqaPP69YkcFiyG72fIT8XsUIe3K1VSG7nxuc4CpCec/edit