Unit 02: Exterior Components

Content Area: **Science**
Course(s): **CAD Architect**
Time Period: **Semester 1**
Length: **1 week**
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	All students will develop an understanding of the nature and impact of technology, engineering, technological design and the designed world as they relate to the individual, global society, and the environment.
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.

Enduring Understandings

- Buildings are designed to suit intended purpose and human needs.
- The exterior components of a building will vary between architectural styles, which can be due to the time period in which the style was created, access to certain materials, climate differences, local influence, etc.
- Specific exterior components exist on all buildings, because they are critical in allowing a structure to serve its functional purpose.

Essential Questions

- How are buildings designed differently to suit need, use and location?
- Why do some exteriors components of residential construction differ between architectural styles?
- Why do certain exterior components exist on every residential house, regardless of style?

Knowledge and Skills

Students will be able to:

- Identify various exterior componenets used in residential construction.
- Determine a components intended purpose and if it is primarily a functional or aesthetic element.
- Create a PowerPoint presentation that illustrates the exterior features of each side of their home.
- Demonstrate the ability to apply skills demonstrated to edit images and add Auto shapes to their presentation.

Assessments

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

Modifications

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