

**ARCHITECTURAL DESIGN 1, 2 / MECHANICAL DESIGN 1, 2
(COURSE CODES 6170, 6171, 6172, 6173)
ADDITIONAL MATERIALS AND RESOURCES**

[Textbook and Resources](#)

[Common Career Technical Core Standards](#)

CTSO's:

[SkillsUSA](#)

Certifications:

[Autodesk Certified User \(ACU\) by AutoDesk](#)

Resources:

[The Architecture Center](#)

Free Resources (videos, resources, design advice)

[Engineering by Design](#)

[GMetrix Practice Tests](#)

[NFS Engineering Classroom Resources](#)

Mechanical Design Teacher Resources

[Immerse to Learn](#)

CAD resources

Additional Textbooks:

[SDC Publications](#)

selection of various textbooks pertaining to
Architectural and Mechanical Design

[Teacher Pay Teachers: Architecture](#)

Free resources

Software:

[AutoCAD](#)

2D and 3D modeling/design software

[SketchUp](#)

3D Modeling, formerly known as Google SketchUp

October, 2018

Videos:

[Lynda.com videos and tutorials](#)

Apps:

[Get Kahoot: Online interactive classroom activities](#)

[Quizlet \(vocabulary word building\)](#)

[Socrative: Quiz Builder](#)

[Quia: Quiz Builder](#)

[Quizzizz: Quiz Builder](#)

Equipment Listing:

64-bit Desktop or laptop computer (8G of RAM, 6GB Free disk space) with AutoDesk software specifications to include a 1920 x 1080 or greater True Color video display adapter; 128 MB VRAM or greater; Pixel Shader 3.0 or greater; Direct3D®-capable workstation class graphics card.

11x17 (Tabloid size) capable laser printer

Plotter with a capability to print using sheet/roll minimum 36" wide

Various scales for Architectural and Mechanical Design

Optional Equipment:

Portable drafting table

Various templates (circles; Architectural (plumbing, electrical, doors, windows, etc.)

October, 2018