

AMPHITHEATER



CAREER & TECHNICAL EDUCATION

Instructor:

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Offered at:



Leads into the following

College Majors:

- Architectural Drafting and Design
- Civil Engineering
- Mechanical Drafting and Design
- Computer-Assisted Drafting



Public Schools

www.amphi.com/CTE

Architectural Drafting & Design Technology



In this course, students:

- Learn architectural terminology, blueprint interpretation, measurement, scale, and engineering concepts in design drafting.
- Create technical drawings and use CADD/VDCM (Computer-Aided Design and Drafting/Virtual Design and Construction Modeling) software to set up scale, format, dimensioning, etc.
- Draft floor, foundation/basement, roof, electrical, plumbing, HVAC, ceiling, window and door schedule, cabinet elevation, plans for residential and commercial structures.
- Identify and render materials, draft structural shapes and connections, and create isometric drawings using manual and electronic techniques.
- Compete in SkillsUSA.

Industry Certifications:

- Revit Autodesk Certified User

Possible Career Pathways:

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|----------------------|---------------------|-----------------------------|
| - Architect | - Interior Designer | - Construction Manager |
| - Engineer | - Plans Examiner | - Building/Safety Inspector |
| - General Contractor | | |

"I learned many skills helpful for the real world and I have found myself paying more attention to architecture."

~ Alesha Adolph, Canyon del Oro Graduate