

Moon Area School District Curriculum Map

Course: Architectural Drawing
Grade Level: 10-12
Content Area: Technology Education
Frequency: Full-Year Course

Big Ideas

1. House styles, FHA requirements, room planning.
2. Sketching develops a design for later use.
3. The use of drafting tools will help produce clean architectural drawings.
4. Dimensioning drawings using a universal standard, masonry and framing
5. CAD software is used to develop visual representation of design ideas.
6. Framing and Kitchen design

Essential Questions

7. How are colonial styles important today?
8. What is the importance of sketching design?
9. Why do mechanical drawings follow industry standards?
10. Why is it important for all drawings to be dimensioned in the same way?
11. Why might a section of a part be removed to draw it?
12. Why are international CAD standards necessary when creating drawings to communicate design solutions?
13. What are the advantages of using a CAD system to create, view, and manage design drawings?

Primary Resource(s) & Technology:

Text – Architecture Residential Drafting and Design, AutoCAD, Autodesk
 Promethean Boards, Student Computer Workstations

Pennsylvania and/or focus standards referenced at:

www.pdesas.org
www.education.pa.gov

Big Ideas/EQs	Focus Standard(s)	Assessed Competencies (Key content and skills)	Timeline
1,7	Waiting for Technology Ed standards to be finalized	<ul style="list-style-type: none"> • Chapter 1-3. Measurement review, Single Stroke Gothic lettering 	August - September 4 weeks
2,8		<ul style="list-style-type: none"> • Drafting Tools, Line Types, Border, Title Strip, Rental Cottage Design and Drawing for room planning 	September-October 4 Weeks

3,10		<ul style="list-style-type: none"> Room planning, FHA requirements, room symbols 	October 3 Weeks
4,11		<ul style="list-style-type: none"> Dimensioning Framing 	November 3 Weeks
5,12		<ul style="list-style-type: none"> Full House Drawing - AutoCAD Introduction, Draw, Modify Panels 	December 3 Weeks
6,13		<ul style="list-style-type: none"> Basement, footings, foundations and 	January 2 Weeks
6, 13, 12		<ul style="list-style-type: none"> Structural Section, Dimensioning Masonry 	January-February 3 Weeks
3,10,11, 12		<ul style="list-style-type: none"> Kitchens and Framing 	Feb-March 3 Weeks
3,10,11, 12		<ul style="list-style-type: none"> Kitchen and Framing Model 	March 2 Weeks
3,10,11, 12		<ul style="list-style-type: none"> Big House Project 	April- June 8 Weeks