

**Elizabethtown Area School District
Scope & Sequence - Quick Reference**



Department: Applied Engineering & Technology Education, 18 Weeks

Course: Architectural Design / Honors

Grade Level(s): 10-12

<i>Unit Title</i>	<i>General Topic(s)</i>	<i>Pacing</i>
1. Introduction To Architectural Design	<ul style="list-style-type: none"> ● Architecture & Architect ● Architectural Design Process 	2 Days
2. Architectural Styles & House Designs	<ul style="list-style-type: none"> ● Styles of Architecture ● Residential House Designs ● Famous Architects 	3 Days
3. Primary Considerations	<ul style="list-style-type: none"> ● Zoning & Planning ● Code of Ordinances ● Setbacks & Easements 	2 Days
4. Site Plan	<ul style="list-style-type: none"> ● Inventory & Site Planning 	2 Days
5. Floor Plan	<ul style="list-style-type: none"> ● Measured Survey ● House Perimeter & Area ● Floor Plans 	1 Week
6. Space Planning	<ul style="list-style-type: none"> ● Room Planning ● Bubble & Block Diagrams ● Bathroom Design & Planning ● Kitchen Design & Planning 	4 Weeks
7. Residential House Design	<ul style="list-style-type: none"> ● Exterior & Interior Walls ● Doors & Windows ● Floors & Ceilings ● Stairway Configurations ● Foundations & Basements ● Roof Types & Slopes ● Household Appliances & Furnishings 	5 Weeks

8. Lighting Is Art	<ul style="list-style-type: none"> ● Lighting Design Principles & Layers ● Determining Lumens ● Lighting Systems ● Common Lighting Symbols 	1 Week
9. The Electrical Plan	<ul style="list-style-type: none"> ● National Electrical Code (NEC) ● Electrical Systems & Symbols ● Residential Electrical Plan 	1 Week
10. Plumbing System	<ul style="list-style-type: none"> ● Water Supply & Waste Removal ● Plumbing Systems & Symbols ● Residential Plumbing Plan 	1 Week
11. Elevations, Sections, & Callouts	<ul style="list-style-type: none"> ● Elevations ● Building Sections ● Detail Callouts 	1 Week
12. Construction Drawings	<ul style="list-style-type: none"> ● Floor Plan Construction Drawings ● Elevation Construction Drawings ● Sectional Construction Drawings ● Detail Construction Drawings 	1 Week
13. Landscape Architectural Design	<ul style="list-style-type: none"> ● Landscape Architectural Design Process ● Site Inventory & Analysis ● Landscape Needs & Wants ● Landscape Design Styles & Ideas ● Outdoor Space Planning ● Landscape Structures, Hardscapes, & Plants 	2 Weeks
14. Honors Project	<ul style="list-style-type: none"> ● Famous Past Architects 21st Century Architects, Interior Architects, & Landscape Architects 	Biweekly