

Cornwall-Lebanon School District Curriculum Overview

Architectural Design I (Grades 9-12)

18	length of time in weeks	Concepts & Competencies	Common Assessments	Academic Standards (PA Core if applicable)
Unit 1	10	<p style="text-align: center;"><u>Defining Living Space</u></p> <p>Define living space and its main components. Develop a floor plan sketch of a living space that uses architectural symbols and shows appropriate design characteristics and layout. Using a computer software program design a living room floor plan that incorporates the main components and definition.</p>	<ul style="list-style-type: none"> ➤ Each student will submit a completed living space plan that will be assessed based on a grading rubric. 	
Unit 2	10	<p style="text-align: center;"><u>Defining Kitchens & Dining Room Space</u></p> <p>Define a kitchen & dining room space and its main components. Develop a floor plan sketch of a kitchen and dining room that uses architectural symbols and shows appropriate design characteristics and layout. Using a computer software program design a kitchen and dining room floor plan that incorporates the main components and definition.</p>	<ul style="list-style-type: none"> ➤ Each student will submit a completed living space plan that will be assessed based on a grading rubric. 	
Unit 3	10	<p style="text-align: center;"><u>Defining Bedrooms & Bathroom Space</u></p> <p>Define bedrooms, bathrooms, and their main components. Develop a floor plan sketch of a bedroom and bathroom that uses architectural symbols and shows appropriate design characteristics and layout. Using a computer software program design a bedroom and bathroom floor plan that incorporates the main components and definition.</p>	<ul style="list-style-type: none"> ➤ Each student will submit a completed living space plan that will be assessed based on a grading rubric. 	
Unit 4	20	<p style="text-align: center;"><u>Developing A Ranch House</u></p> <p>Define and identify the physical features of a Ranch Style Home and its historical information. Develop a floor plan sketch of a Ranch House Design that uses architectural symbols and shows appropriate design characteristics and layout. Using a computer software program, design a floor plan, foundation plan, electrical plan, and elevation plan of a Ranch Style House.</p>	<ul style="list-style-type: none"> ➤ Each student will submit a completed living space plan that will be assessed based on a grading rubric. 	

<p>Unit 5</p> <p>20</p>	<p><u>Designing A 2-Story Colonial House</u></p> <p>Define and identify the physical features of a 2-Story Colonial Home and its historical information.</p> <p>Develop a floor plan sketch of a 2-Story Colonial Home that uses architectural symbols and shows appropriate design characteristics and layout.</p> <p>Using a computer software program, design a floor plan, foundation plan, electrical plan, and elevation plan of a 2-Story Colonial Home.</p>	<ul style="list-style-type: none"> ➤ Each student will submit a completed living space plan that will be assessed based on a grading rubric. 	
<p>Unit 6</p> <p>20</p>	<p><u>Designing A Custom House</u></p> <p>Define and identify the physical features of a Custom Home.</p> <p>Identify the cost per square foot of a Custom Home.</p> <p>Identify the needs of a customer based design challenge and design a home within those parameters.</p> <p>Develop a floor plan sketch that meets the needs of a customer and uses all of the components and design characteristics of a Custom Style Home.</p> <p>Using a computer software program, design a floor plan, foundation plan, electrical plan, and elevation plan of a Custom Style Home.</p>	<ul style="list-style-type: none"> ➤ Each student will submit a completed living space plan that will be assessed based on a grading rubric. 	