




**Architecture II**

Teacher: Kris Rue

**September 2020**

| Content   | Skills  | Learning Targets  | Standards | Assessment   | Resources & Technology  |
|---|---|---|-----------|--|---|
| <p><b>CEQ: How are multi level homes designed, modeled and brought to life</b></p> <p>UEQ: Why is sketching and important skill in home design?</p>  <p><b>A: Sketching Review</b></p> <p>A1. Basic Sketching Review<br/>A2. Perspective Sketching Review</p> <p>UEQ: Why is scaling a necessary skill in architecture, construction and design?</p>  <p><b>B: Measuring and Scaling Review</b></p> | <p><b>A: Sketching Review</b></p> <p>A1: Sketching a house from a picture<br/>A2: Sketching a 2-point perspective</p> <p><b>B: Measuring and Scaling Review</b></p> <p>B1. Reading a ruler</p> <p>B1: Understanding 1/4 and 1/8 " scale<br/>B2: Understanding and applying proper dimensions to a floorplan</p> | <p><b>A: Sketching Review</b></p> <ol style="list-style-type: none"> <li>1. I can sketch a house</li> <li>2. I can create a 2-point perspective</li> </ol> <p><b>B: Measuring and Scaling Review</b></p> <ol style="list-style-type: none"> <li>1. I can read a ruler in 1/4 and 1/8 " increments</li> <li>2. I can measure a line with a 1/4 and 1/8 " scale</li> <li>3. I can apply dimensions properly to a floorplan</li> </ol> |           | <p><b>A: Sketching Review</b></p> <p>A1: CFA-House Sketch<br/>A2: CFA- 2 point Perspective<br/>A1-2: CSA- Bring a floor plan to life</p> <p><b>B: Measuring and Scaling Review</b></p> <p>B1: CFA-Scaling worksheet<br/>B2: CFA-dimensioning a floor plan<br/>B1-2: CSA- Measuring/Scaling</p> | <p><b>A: Sketching Review</b></p> <p><b>Architecture Residential Design</b></p> <p><b>B: Measuring and Scaling Review</b></p> |


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| <p>B1. Measuring and Scaling Review</p> <p>B2. Dimensioning Review</p> <p>UEQ: How are the 3 areas of living used to desing an efficient floorplan?</p>  <p><b>C: Chapter 7,8,9 Review</b></p> <p>C1. Room Types</p> <p>C2. Room Locations</p> <p>C3. Room Specifications</p> | <p><b>C: Chapter 7,8,9 Review</b></p> <p>C1: Identify different types of rooms commonly used in a home</p> <p>C2: Properly place rooms de on their living area classificat</p> <p>C3: Classify rooms based on</p> <p>C3: Create fully functional ro</p> | <p>4. I can rad the dimensi a floorplan.</p> <p><b>C: Chapter 7,8,9 Review</b></p> <p>1. I can identify the 3 ar living</p> <p>2. I can make any room functional</p> <p>3. I can place a room in location</p> | <p><b>C: Chapter 7,8,9 Review</b></p> <p>C1-3: CSA-Chapter 7,8,9</p> <p>C1: CFA- Room Matchin</p> <p>C2: CFA- Room Placeme Assignment</p> <p>C3: CFA- Room Building</p> | <p><b>C: Chapter 7,8,9 Review</b></p> <p><b>Architecture Residential Dra Design</b></p> |
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**October**

| <b>Content</b> | <b>Skills</b> | <b>Learning Targets</b> | <b>Assessment</b> | <b>Resources &amp; Technology</b> |
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| <p>UEQ: How are stairs designed and built?</p>  <p><b>D: Chapter 16 Stairs</b><br/> D1: Types of stairs/terminology<br/> D2: Stair calculations<br/> D3: Stair codes</p> | <p><b>D: Chapter 16 Stairs</b><br/> D1: Identify different stair styles and terminology<br/> D2: Calculate Rise and Run<br/> D3: Assign stair codes</p> | <p><b>D: Chapter 16 Stairs</b><br/> 1. I can calculate rise and run<br/> 2. I can build a stairway to code</p> | <p><b>D: Chapter 16 Stairs</b><br/> CFA- drawing stairs in Revit<br/> CFA- Stair layout project<br/> CSA- Stairs Quiz</p> | <p><b>D: Chapter 16 Stairs</b><br/> <b>Architecture Residential Drafting Design</b></p> |
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| <p>UEQ: How is a multi level home modeled?</p>  <p><b>E: Revit 2 story</b></p> <p>E1: First Floor</p> <p>E2: Basement &amp; Second Floor</p> <p>E3: Roof</p> <p>E4: Site</p> <p>E5: Renderings and Animation</p> | <p><b>E: Revit 2 story</b></p> <p>E1: Project Setup</p> <p>F1: Creating exterior/interior</p> <p>E1: Adding doors, windows &amp; fireplace</p> <p>E2: Adding interior walls</p> <p>E2: Basement floorplan</p> <p>E2: Stairs</p> <p>E3: Designing a multilevel roof</p> <p>E3: Creating Low Roof Elements</p> <p>E4: Creating a Site Plan</p> <p>E5: Creating exterior Renderings</p> <p>E5: Creating interior renderings</p> <p>E5: Animating a walkthrough</p> | <p><b>E: Revit 2 story</b></p> <p>1. I can draw a two level home in Revit</p> <p>2. I can render images of my home design</p> <p>3. I can animate a virtual tour of my home.</p> | <p><b>E: Revit 2 story</b></p> <p>E1-5: CSA- 2 Story Revit home</p> <p>E1-5: CFA- House Checkoff</p> | <p><b>E: Revit 2 story</b></p> <p><b>Residential Design Using Autodesk Revit Architecture 2011</b></p> |
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**November**

| <b>Content</b> | <b>Skills</b> | <b>Learning Targets</b> | <b>Assessment</b> | <b>Resources &amp; Technology</b> |
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| <p>UEQ: Why are new building and materials used?</p>  <p><b>F: New Building Styles</b></p> | <p><b>F: New Building Styles</b><br/>F1: Introduce new construct materials</p> | <p><b>F: New Building Styles</b></p> | <p><b>F: New Building Styles</b><br/>F1-2: CFA- lecture notes</p> | <p><b>F: New Building Styles</b></p> |
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| <p>F1. Products and Methods</p> <p>F2. Current Events</p> <p>UEQ: How is a scaled model for demonstration purposes?</p>  <p>G: Model Building</p> <p>G1. Introduction to modeling</p> <p>G2. Cutting and Assembling</p> <p>G3. Site and Topography</p> | <p>F2: Introduce new building styles present in area</p> <p><b>G: Model Building</b></p> <p>G1: Explore the field of modeling</p> <p>G2: Create scaled model of house design</p> <p>G3: Create a site and landscape for house design.</p> | <p>F1. I can identify new building materials</p> <p>F2. I can identify new building styles</p> <p><b>G: Model Building</b></p> <p>1. I can make a model of a house designed</p> | <p>F1-2: CSA- Personal House Design Sketch</p> <p><b>G: Model Building</b></p> <p>G1-2: CFA- Modeling checklist</p> <p>G1-2: CFA- Modeling Project</p> | <p><b>Architecture Residential Design</b></p> <p><b>G: Model Building</b></p> |
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