



# Portfolio Requirements

## Painting & Design Technologies

Students choose their own Portfolio assignments; it must be something they felt they did a good job on and meet one of the required State given Competencies for Painting & Design Technologies that is required for their grade.

Students are given a due date for their Portfolio assignment in each Trimester:

- Students choose a project they feel they did a good job on and learned something
- They must choose their subject and have it okayed by their teacher
- Present a rough draft of the assignment, including proof of meeting the Competencies
- Make any necessary adjustments
- Complete and turn in the Final Draft, including proof of meeting the Competencies

Students will choose Portfolio entries from different concentrations from our shop area including:

- Painting
  - Walls
  - Trim
  - Ceilings
  - Faux
  - Murals
- Wallcovering
- Signs
  - Cut Vinyl
  - Printed
  - Layout (Adobe Illustrator, Composer, Roland Cut Studio, Sign Lab, etc.)
- Interior Design
- CAD – Chief Architect

Freshmen Year	
Trimester 2	<ul style="list-style-type: none"><li>• History of Paint Poster Project</li><li>• How Paint is Made Poster Project</li><li>• Preparing, Cutting in and Rolling a Wall and Paint a Theme Individual in Cubbies</li><li>• Preparing, Cutting in and Rolling a Wall and Paint a Theme Group Project in Designated Room</li><li>• Poster Project on: (OSHA Fall Protection, Ladders' Scaffolds, Safety with Rope and Knots, Other Safety Considerations including Lifting Safety, MSDS Sheets)<ul style="list-style-type: none"><li>○ Recognize, erect, and safely use the different kinds of ladders, including:</li></ul></li></ul>

	<ul style="list-style-type: none"> <li>▪ Stepladders</li> <li>▪ Extension ladders</li> <li>○ Recognize, erect, and safely use the different kinds of scaffolds, including: <ul style="list-style-type: none"> <li>▪ Built-up Multi Function Scaffold</li> <li>▪ Built-up Tower Scaffold</li> <li>▪ Plank &amp; Ladder Scaffold</li> </ul> </li> </ul>
<b>Trimester 3</b>	<ul style="list-style-type: none"> <li>• Prep, Prime, and Basecoat a panel</li> <li>• Prep, Prime, and Base Coat a board (approximately 12” x 12”) Faux Technique (Rag on or off – Sponge on or off)</li> <li>• Assorted Faux Techniques, examples: Raised Stencil and Stencil with foam brush and/or stencil brush, Paint raised stencil with artist brushes, Wood Grain, etc.,</li> <li>• Paint the raised stencil project from yesterday using artist brushes</li> <li>• Make a Color Wheel</li> <li>• Painting Workbenches and Stools (Theme-Group)</li> <li>• Color Schemes Project using Chief Architect</li> <li>• Creating Effects with Color Project (Presentation)</li> <li>• Color Board Project (Coordinating with Existing Colors)</li> </ul>
<b>Additional Projects</b>	Outside Projects

<b>Sophomore Year</b>	
<b>Trimester 1</b>	<ul style="list-style-type: none"> <li>• Presentation Project (color and light, color schemes, creating effect with color, effects of lighting on color, or effects of texture on color) <ul style="list-style-type: none"> <li>○ Understanding Color</li> <li>○ Color Schemes</li> </ul> </li> <li>• Shop Project - The object of this lesson is to be able to patch different size holes in drywall.</li> <li>• Print Reading &amp; Organizing a Job</li> <li>• Project 1- You will create a One Floor Ranch using Chief Architect</li> <li>• Project 2 – Group Measuring Project for Scaling</li> <li>• Project 3 – Poster Project (Create a Poster Based on Print Reading)</li> <li>• Project 4 – Older Structure Project (4 Steps)</li> <li>• Architecture Lines and Symbols</li> <li>• Elevations, Windows and Door Schedules</li> <li>• Redecorating Older Structures</li> <li>• Calculations</li> <li>• A Beginning Painter’s Origination</li> <li>• Weather Conditions Estimating Time and Materials Project</li> </ul>

	<ul style="list-style-type: none"> <li>○ Job Estimating Form</li> <li>○ Estimating Materials and Time</li> </ul>
<p><b>Trimester 2</b></p>	<ul style="list-style-type: none"> <li>● Removing Interior and Exterior Coatings Group Project (Int. Office, Int. Tint Room, Int. Project Room, or One of the Int. Cubbies)</li> <li>● Removing Interior and Exterior Coatings Poster Project</li> <li>● Give a presentation on one of the following subjects (Checking, Cracking, and Flaking - Mildew/Mold - Peeling from Plaster and Efflorescence – Staining - Other Types of Damage and Special Problems <ul style="list-style-type: none"> <li>○ Worker Safety and Chemical Removal</li> <li>○ Heat and Power Sanding Removal</li> <li>○ Problems with Older Coatings</li> <li>○ Checking, Cracking, and Flaking</li> <li>○ Mildew/Mold</li> <li>○ Peeling from Plaster and Efflorescence</li> </ul> </li> <li>● Removing and Solving Problems in Older Coatings</li> <li>● Surface Preparation Projects</li> <li>● Preparation of Exterior Project (Exterior Surface and Concrete)</li> <li>● Poster Project (Important Terms, Protecting Exterior Property, etc.) <ul style="list-style-type: none"> <li>○ Exterior Surface Preparation</li> <li>○ Concrete Surface Preparation</li> </ul> </li> <li>● Shop Assignment – nailing on clapboards</li> <li>● Shop Assignment – Replacing damaged clapboards without damaging the other clapboards</li> <li>● Shop Assignment – Prepare an area for recoating including: <ul style="list-style-type: none"> <li>○ Drop clothes</li> <li>○ Moving all objects out of the area or into the center of the room</li> <li>○ Masking or covering</li> </ul> </li> <li>● Shop Assignment – The students will do a visual inspection of a potential job. Students will: <ul style="list-style-type: none"> <li>○ Go to an assigned area</li> <li>○ Inspect the surface areas</li> <li>○ Make a list of materials and tools needed for repairs and repaint of the area</li> </ul> </li> <li>● Health &amp; Safety III <ul style="list-style-type: none"> <li>○ Hazardous Materials</li> <li>○ Dangers of Working around Paint Products</li> <li>○ Protecting Your Eyes and Respirators</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>○ Respirators</li> <li>○ Shop Project Shop Assignment – Refinishing Project and Panels <ul style="list-style-type: none"> <li>- (Alternative) Scraping and refinishing of doors, windows, and frames</li> </ul> </li> </ul> <p>Shop Assignment – Put on Respirator and perform positive and negative fit test, make adjustments and Record it</p>
<p><b>Trimester 3</b></p>	<ul style="list-style-type: none"> <li>○ Applying Exterior Coatings</li> <li>○ Shop Assignment – Divide into groups and paint exteriors and cubbies this week <ul style="list-style-type: none"> <li>▪ Inspecting, Planning, and Coordinating the Job Site</li> <li>▪ Surface Preparation and Lead Precautions and Painting Sequence</li> </ul> </li> <li>○ Applying Interior Coatings</li> <li>○ Shop Assignment – Paint a cubby area (ceiling, walls, trim)</li> <li>○ Shop Assignment – Paint a window &amp; door</li> <li>○ Shop Assignment – Paint an area of the shop with built-in</li> <li>○ Shop Assignment – Paint floor area in cubby <ul style="list-style-type: none"> <li>▪ Potential Hazards</li> <li>▪ Applying Interior Coatings Proper Sequence</li> <li>▪ Ceilings</li> <li>▪ Painting Doors &amp; Windows</li> <li>▪ Painting Trim, Shelves, and Built-ins</li> <li>▪ Coatings on Floors</li> </ul> </li> <li>○ Transparent Wood Finishes</li> <li>○ Shop Assignment – Clear finish Project (Prepare a board, stain, 2 coats of polyurethane) <ul style="list-style-type: none"> <li>▪ The Growth of a Tree</li> <li>▪ Surface Preparation for a Transparent Finish</li> <li>▪ Transparent Finishing Materials and Procedures</li> </ul> </li> <li>○ Wall Covering Materials</li> <li>○ Shop Assignment – Prepare and wallpaper a wall during a scheduled time</li> <li>○ Wallcovering Presentation – (American, Euro size rolls, Packaging &amp; Labeling, Wallcovering Specifications, Commercial Wallcovering Standards, History of Wallcoverings, Type of Wallcoverings, Border and Designs Used in Wallcoverings, Matching)</li> <li>○ To design a separate one floor single family house using Chief Architect</li> <li>○ <ul style="list-style-type: none"> <li>▪ Packaging and Labeling</li> <li>▪ Planning and Estimating Wallcovering Materials</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>▪ Wallcovering Tools</li> <li>▪ Wallcovering Materials</li> <li>▪ Application Tools</li> </ul> <ul style="list-style-type: none"> <li>○ Customer Service Skills and Entrepreneurship</li> <li>○ Shop Assignment – You will create a Company and your company will be making a bid to paint a house project.</li> </ul>
<b>Additional Projects</b>	<ul style="list-style-type: none"> <li>▪ Superintendent’s Dinner</li> <li>▪ Outside Jobs</li> </ul>

<b>Junior Year</b>	
<b>Trimester 1</b>	<ul style="list-style-type: none"> <li>• Influences on Housing <ul style="list-style-type: none"> <li>○ Choosing a Housing Style Project (Build a Model)</li> </ul> </li> <li>• 5 Key to Success: Sign Design Project</li> <li>• Choosing a Place to Live <ul style="list-style-type: none"> <li>○ Project House Design Project (2 Moving Companies)</li> </ul> </li> <li>• The Evolution of the Exterior of a House <ul style="list-style-type: none"> <li>○ Design a House for the Year 2040</li> <li>○ Housing Style Brochure or Poster Project</li> <li>○ Design a House for a Designated Family, Pages 189-192</li> </ul> </li> </ul>
<b>Trimester 2</b>	<ul style="list-style-type: none"> <li>○ Housing Construction <ul style="list-style-type: none"> <li>▪ 3-D Model Project</li> <li>▪ Tie into 3-D Model Questions and Presentation</li> </ul> </li> <li>○ The Elements of Design <ul style="list-style-type: none"> <li>▪ Adobe Illustrator Poster Project, Pages 240-249</li> <li>▪ Master Bedroom Suite Project</li> </ul> </li> <li>○ Using the Principles of Design Project <ul style="list-style-type: none"> <li>▪ Design Challenges: <ul style="list-style-type: none"> <li>▪ A – Design a house with kitchen, dining room, 3 bedrooms, 1 ½ baths, hallway, stairs</li> <li>▪ B – Design a wall against which is placed a large piece of furniture (5 designs), explain how you used proportion, scale, balance, emphasis, and rhythm</li> <li>▪ C – Six examples of the golden rectangle, golden mean, and golden section, paper</li> <li>▪ D – design 3 rooms with all the furniture and accessories, state design goal and how did you meet this goal</li> </ul> </li> </ul> </li> <li>○ Textiles in Today’s Homes Design Challenge – Design an apartment living room (lifestyle and personal preferences)</li> </ul>
<b>Trimester 3</b>	<ul style="list-style-type: none"> <li>○ Creating Interior Backgrounds <ul style="list-style-type: none"> <li>▪ Floor Treatments Project</li> <li>▪ Wall Treatments Project</li> </ul> </li> <li>○ Drafting</li> </ul>

	<ul style="list-style-type: none"> <li>▪ Orthographic Projections Drawings</li> <li>▪ Oblique and 1 Point Perspective Drawings</li> <li>▪ 2 Point Perspective Drawings and Shading Project</li> <li>• Evaluating Furniture Construction Project</li> <li>• Final Design Project</li> </ul>
<b>Additional Projects</b>	<ul style="list-style-type: none"> <li>• Superintendent's Project</li> <li>• Outside Jobs</li> </ul>

<b>Senior Year</b>	
<b>Trimester 1</b>	<ul style="list-style-type: none"> <li>○ The Universal Need for Housing <ul style="list-style-type: none"> <li>▪ Chapter 1 Project <ul style="list-style-type: none"> <li>• Housing for the Ages and Stages</li> <li>• Universal Design</li> <li>• Building a Better Future</li> </ul> </li> </ul> </li> <li>○ Housing and Society <ul style="list-style-type: none"> <li>▪ Chapter 2 Project <ul style="list-style-type: none"> <li>• Analyzing Housing Needs</li> <li>• Working from Home</li> <li>• Designing for Privacy</li> <li>• Community Living Conditions</li> </ul> </li> </ul> </li> <li>○ Housing and Technology <ul style="list-style-type: none"> <li>▪ The Automated Home Project</li> </ul> </li> <li>○ Careers in Housing and Interiors <ul style="list-style-type: none"> <li>▪ Career Center Project</li> </ul> </li> <li>○ Remodeling and Renovation <ul style="list-style-type: none"> <li>▪ Kitchen Remodeling Project</li> </ul> </li> </ul>
<b>Trimester 2</b>	<ul style="list-style-type: none"> <li>• Design an Addition Part I) <ul style="list-style-type: none"> <li>○ Remodeling Project, Pages 303 - 321</li> </ul> </li> <li>• Developing Homes for Today's Needs <ul style="list-style-type: none"> <li>○ Designing Homes for Today's Needs, Pages 367 - 387</li> </ul> </li> <li>• The Elements of Design <ul style="list-style-type: none"> <li>○ Design an Office Building Project</li> <li>○ Office Design Poster Project</li> <li>○ Visual Texture &amp; Pattern Project</li> <li>○ Color &amp; Light Project</li> </ul> </li> <li>• Design and Addition (Part II) <ul style="list-style-type: none"> <li>○ Senior Addition Project (Steps 1 – 6)</li> </ul> </li> </ul>
<b>Trimester 3</b>	<ul style="list-style-type: none"> <li>• The Elements of Design (Week 2) <ul style="list-style-type: none"> <li>○ Design Challenge, Pages 407-423</li> <li>○ The Role of Color in Design (Kitchen Remodel)</li> </ul> </li> <li>• The Principals of Design Poster Project, Subjects: (Proportion, Scale and Balance, Rhythm, Emphasis, Unity &amp; Variety, Developing a Design Plan, Asses Client Characteristics, Analyze the Environment, Develop a Preliminary Budget, Identify the Project</li> </ul>

	<ul style="list-style-type: none"><li>• Kitchen – Formal Dining Room Design</li><li>• Superintendent’s Dinner Design</li><li>• One and Two Point Perspective</li><li>• Developing a Plan – Redesigning the living room of 5 year old townhouse</li><li>• Completing &amp; Presenting a Design – Lobby of a Law Firm Project</li><li>• Final Project (Remodeling a Victorian House)</li></ul>
<b>Additional Projects</b>	<ul style="list-style-type: none"><li>• Kitchens, Laundry Area &amp; Baths – Design an Efficient 14’ x 12’ Kitchen for a Family of Six</li><li>• Superintendent’s Dinner</li><li>• Outside Jobs</li></ul>