





## Basic Woodworking Prompts

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### Unit IV: Joinery

*Prompt 16: In 150 words, define “Joinery.” List and draw the six most commonly used joints in woodworking, be sure to include the benefits and strength of each.*

*Prompt 17: In 150 words, explain “Metal Fasteners.” Explain the benefits and weaknesses between hammer nailing, screwing, nail gunning, and pocket screws.*

*Prompt 18: In 150 words, explain the steps necessary for preparing wood for joining (such as planing edges and the direction of grain).*

*Prompt 19: In 150 words, explain the method of clamping and gluing wood. Be sure to explain the amount of glue necessary for a good joint and how to spread it appropriately. Also, draw a picture of five different types of clamps.*

*Prompt 20: In 150 words, explain the difference between “Butt Joints,” “Dowel Joints,” and “Biscuit Joints.” Be sure to include the tips to keep in mind while doing each.*

*Test: Joinery*

### Unit V: Wood finishing

*Prompt 21: In 150 words, explain how to best prepare a project for finishing (filling, plugging, and sanding). Be certain to include keys to sanding properly (how to avoid scratch marks, the proper grit to use, etc.).*

*Prompt 22: In 150 words, explain the importance of “light” in the finishing process. Also, explain the enemy of “dust” in the finishing process.*

*Prompt 23: In 150 words, explain the steps necessary for staining a project and at least three different methods for applying stain.*

*Prompt 24: In 150 words, list at least three different types of topcoats and explain the steps necessary for accomplishing a smooth finish on your project.*

*Prompt 25: In 150 words, explain the role oil and wax can play in the finishing process and the benefits/uses of each.*

*Test: Wood Finishing*

### Unit VI: Understanding wood

*Prompt 26: In 150 words, explain the process of converting trees into lumber.*

*Prompt 25: In 150 words, define “hardwood,” the types of trees it comes from, and what it is best used for.*

*Prompt 25: In 150 words, define “softwood,” the types of trees it comes from, and what it is best used for.*

*Prompt 25: In 150 words, define “Veneer,” and explain the process by which it is made.*

*Prompt 25: In 150 words, explain the process necessary for determining the right type of lumber for a project and the process of selecting good lumber.*

*Test: Understanding wood*



# Project Evaluation

## Basic Woodworking

A score of 75% or greater is required before advancing to the next skill set

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Project: \_\_\_\_\_

Grading Scale:            1= Poor    2= Needs work    3= Good    4= Well done    5= Excellent

### Planning and preparation (25 possible points)

A. Plans	Score	
1. Views (front, top, left side, section)	_____	
2. Neatness and orderliness	_____	
3. Scaling	_____	
4. Title block	_____	
5. Dimensions and notations	_____	
		Total: _____

### Construction (25 possible points)

A. Tool usage	Score	
1. Skillful and safe use of required tools	_____	
B. Assembly		
1. Dimensions and image match plans	_____	
2. Construction is square	_____	
3. Joinery is strong, clean, and smooth	_____	
4. Materials: Use of proper materials and hardware	_____	
		Total: _____

### Finish (25 possible points)

A. Surface preparation	Score	
1. Dents, scratches, etc.	_____	
2. Sanding (smooth, edges softened, etc.)	_____	
3. Glue marks	_____	
4. Filler/plugs/caps	_____	
B. Finishing		
1. Stain	_____	
2. Finish top coats	_____	
		Total: _____

### Overall Work Ethic (25 possible points)

A. Cleanliness	_____	
B. Teamwork and cooperation	_____	
C. Overall project appearance	_____	
D. Safety awareness	_____	
E. Hard working, self-motivated, initiative, time management	_____	
		Total: _____

**Final Score:** \_\_\_\_\_