Semester	Week Number	Length of Time	Unit Number	Unit Title	Essential Questions	Learning Targets	Standards	Assessment	Vocabulary	Instructional Activities, Resources, and Teaching Notes	Building On	Building Towards
1	1	1	N/A	Course introduction and general shop expectations								
1	2	1	1	Measurement	How is fractional measurement used in woodworking? How is a ruler read, interpreted, and used?	The student will read a standard ruler with a target score of 75% accuracy	CCTC: ACC01.01.01 Use basic math functions to complete jobsite/workplace tasks. CCTC: ACC01.01.04 Use appropriate formulas to determine ratios, fractions, and proportion measures.	Measuring and reading a ruler Formative Checks. Measuring and reading a ruler Summative Assessment.	Fractions Decimals Inches Feet Ruler Tape Measure Square	Practice documents, rulers, bench rules, tape measures and equipment are accessable to the student. Discuss how to read a ruler and fractions of an inch. Formative check: Ricky Spears Ruler Game and Measurematic. Summative Check: Measurement Exam inCanvas.	Students prior knowledge of reading a ruler.	80 percent or higher proficiency at reading a ruler.
1	3,4,5	3	2	Tool identification, equipment overview & shop safety	What are the procedures that need to be followed in order to stay safe while working in the shop? How are the tools and equipment used safely? What does each tool and piece of equipment do?	The student will complete all safety tests for the class with a target score of 100%	CCTC: ACC05.01 Comply with regulations and applicable codes to establish a legal and safe workplace/jobsite. CCTC: ACC06.01 Assess and control the types and sources of workplace hazards to ensure a safe workplace and jobsite	Safety Tests	Personal Protective Equipment (PPE) Eye protection Safety equipment Machine guards Occupational Safety and Health Administration (OSHA) Hand Tool Identification/Safety and how to use. Power Tool Identification/Safety and how to use. Equipment Identification/Safety and how to use.	Tools and equipment ready for demonstration purposes. Materials to demonstrate operation of equipment. PPE for teacher and students.	Knowledge of previous tools and equipment used.	Using equipment within the shop safely and efficiently.
1	6	1	3	Surface preparations and finishing	What are the procedures for preparing a project for finish? What products can be used to finish a project and how are they applied?	The student will be able to complete a project and prepare it for stain or finish.	CCTC: ACC10.02.03 Demonstrate use of tools, machinery, equipment and other resources commonly used in design and construction	Project Rubric	Stains Paint Grit Sand Paper Abrasives Sealants	Paints, stains, sandpaper, glues and sealants are available for demonstraion and classroom discussion and demostration.	Students prior knowledge and work experience with the products.	Using paint, stain, sandpaper, glues and sealants to construct a project.
1	7,8,9	3	4	Project 1: Simple skills Example: Peg Jump Game Definition: A project that introduces introductory woodworking skills such as squaring a board, cutting a straight line, boring holes and basic finishing processes.	How do I read a plan to construct a project? What is a plan of procedure? How do I use a plan and plan of procedure to construct a project?	The student will be able to construct a project using basic wood construction tools and techniques.	CCTC: ACC10.02.01 Select tools, machinery, equipment, and resources that match requirements of the job. CCTC: ACC10.01.01 Interpret drawings used in project planning.	Project Rubric	Detailed Drawing/Plan Plan of Procedure	Classroom discussion over what a plan of procedure is and how it i used to construct a project. Materials and tools and equipment available for student to construct project.	Students prior experience to constructing a project using a detailed plan of procedure.	Student should be able to follow a detailed plan of procedure to construct a basic woodworking project.
1	10,11,12,13	4	5	Project 2: Pinning and fastening Example: Wall Shelf Definition: A project that introduces, glues, screws, fastners and nailing techniques.	How are glues, screws, fasteners and nails used in the construction of a project?	The student will be able to construct a project using glue, screws and nails.	CCTC: ACC10.01.01 Interpret drawings used in project planning. CCTC: ACC10.02.03 Demonstrate use of tools, machinery, equipment and other resources commonly used in design and construction.	Project Rubric	Kreg Jig Pneumatic finish and pin nailer Screws Glues Nails Fasteners	Classroom discussion over glues, screws, nails, fasteners, and fastening deivces. Materials should be available to demonstrate and practise prior to construction.	Skills developed constructing basic project.	At the completion of this activity student should have a working knowledge of using glues, screws, nails and fasteners to construct a project.
1	14,15,16,17	4	6	Project 3: Milling Example: Cutting Board Definition: A project that introduces edge and or butt joints to produce a project that will be planed or milled to a specified thickness.	How do I increase the thickness of material to meet the project specifications? Where is the edge and butt joint commonly used?	The student will be able to construct a project that utilizes the butt and or edge joint.	CCTC: ACC05.03.02 Understand the context of the projects. CCTC: ACC10.02.02 Identify sources of information concerning state-of-the-art tools, equipment, materials, technologies and methodologies. CCTC: ACC10.02.03 Demonstrate use of tools, machinery, equipment and other resources commonly used in design and construction.	Project Rubric	Clamps Milling Planing	Classroom discussion and demonstration over, clamps, milling and planing to thickness. Materials and equipment should be set up and available for students to construct and demonstrate proficiency.	Skills developed constructing a project using nails, glues, screws and fasteners.	Student have the ability to plane and mill woodworking materials while constructing a project.
1	18	1	N/A	Shop Maintenance, Organization and Mid-Term Exam				Mid-Term Exam				
1												
2	1	1	N/A	Safety and Measurement Review								
2	2,3,4,5,6,7	6	7	Project 4: Joinery Example: Jewelry Box Definition: A project that is constructed using some or all of the following woodworking joints; lap, miter, dado, rabbet, groove, dovetail, or mortise and tenon joint.	How do I make woodworking joints to construct a project? What machines and tools can I use to construct a lap, miter, dado, rabbet, groove and dovetail joint?	The student will be able to construct a project using a variety of common woodworking joints.	CCTC: ACC10.02.03 Demonstrate use of tools, machinery, equipment and other resources commonly used in design and construction. CCTC: ACC10.02.01 Select tools, machinery, equipment, and resources that match requirements of the job. CCTC: ACC10.01.01 Interpret drawings used in project planning.	Project Rubric	Lap Joint Dado Joint Miter Joint Rabbet Joint Butt Joint Groove Joint	Classroom discussion and demonstation of woodworking joints, how they are constucted and where they are used. Hands on demonstration. Have tools , equipment and materials available to practice and construct. Materials and supplies to construct project.	Skills developed in the milling and planing process.	Students having a working knowledge of woodworking joints, how they are used and where they are used.
2	8,9,10,11,12,13	6	8	Project 5: Developing technical skills Example: Checker Board Table with Drawer Definition: A project that is constructed using basic face frame techniques. (Style and Rail)	How do I construct a face frame? What is a face frame?	The student will be able to construct a project using basic face frame techniques.	CCTC: ACC10.01.04 Use architect's plan, manufacturer's illustrations and other materials to communicate specific data and visualize proposed work. CCTC: ACC10.02.03 Demonstrate use of tools, machinery, equipment and other resources commonly used in design and construction. CCTC: ACC10.02.01 Select tools, machinery, equipment, and resources that match requirements of the job. CCTC: ACC10.01.01 Interpret drawings used in project planning.	Project Rubric	Dowel Joint Dowel Jig Biscuit Joint Biscuit Joint Cutter Kreg Jig Face Frame Style and Rail Construction	Classroom discussion and demonstration over face frame creation using style and rail construction techniques. Demonstration should include doweling, biscuit joints and kreg jig usage. Hands on demonstration. Have tools , equipment and materials available to practice and construct.	Skills developed constructing a project using woodworking joints.	Students being able to construct a face frame using dowels, biscuits or the kreg jig.
2	14,15,16,17,18,19	6	9	Project 6: Applied technical skills Example: American Flag Wall Hanging Definition: A project that is constructed by the student that applies a variety of the skills used to create projects 1 - 5.	How can I apply my woodworking skills to create a project? How do I create a detailed sketch or plan to construct a project?	The student will create a project based upon the skills that they have developed in the program.	CCTC:ACC07.01.01 Establish project goals that assist in meeting project specifications and deadlines CCTC: ACC10.01.04 Use architect's plan, manufacturer's illustrations and other materials to communicate specific data and visualize proposed work. CCTC: ACC10.02.03 Demonstrate use of tools, machinery, equipment and other resources commonly used in design and construction. CCTC: ACC10.02.01 Select tools, machinery, equipment, and resources that match requirements of the job. CCTC: ACC10.01.01 Interpret drawings used in project planning. CCTC: ACC03.01.01 Plan, organize, schedule and manage a project/job to optimize workflow and outcome. CCTC: ACC03.01.04 Use available resources/materials effectively while completing a project or resolving a problem with a project plan.	Project Rubric	Sketching 3 View Drawing (optional)	Grid paper and measurement instruments will be needed in this activity as students design and construct a project. Minimum expextations is a detailed sketch. 3 view drawing would be preferred.	Students ability to construct and build a project	Student should be able to develop a detailed set of plans and plan of procedure to construct a woodworking project.
2	20	1	N/A	Shop Maintenance, Organization and Final Exam				Final Exam				