

Content, Skills, and Assessment Map

Teacher: Brey	School: Mancelona High School	Grade: 9-12	Course or Content Area: Introduction To Industrial Arts
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Month	Content <i>What topic(s) is being covered and what is the important vocabulary? What do students need to know? Think nouns!</i>	Skills <i>What do students have to be able to do connected to the Content? Think verbs!</i>	Assessment <i>What evidence (products and/or performances) is collected to establish that the Content and Skills have been learned?</i>	Benchmarks Assessed <i>Which benchmarks are measured through these assessments?</i>
Sept	What is Drafting? Careers in Drafting Lettering Sketching	Will list and describe careers that use drafting skills Will letter to ANSI standards Will sketch lines, shapes, and isometric objects Will sketch and resize objects using grid system	Discussion Chapter questions and review Worksheets Quizzes	
October	Drafting Tools Measurement Linetypes	Will identify tools and explain how to use them Will use metric and customary measurement. Will be able to do “measurement math” Will identify, describe, and draw various linetypes used in drafting	Chapter questions and review Worksheets Quizzes Drawings Class Activities	
November	Drawing Layout and Centering Geometric Constructions Orthographic Projections	Will center and properly border 1 and 3 view drawings Will construct fillets, ellipses, bisectors, arcs, and geometric shapes Will properly lay out and draw	Chapter questions and review Worksheets Quizzes Drawings	

		front, right side, and top views	Class Activities	
December	Dimensioning Drafting Final Test General Safety Measurement	Will dimension drawings according to ANSI standards Will measure inches and feet accurately to the 16 th inch	Chapter questions and review Worksheets Quizzes Drawings Class Activities	
January	Wood Identification Operating Machinery Machining Process Semester Exam	<ul style="list-style-type: none"> • Be able to know differences & classification of woods • Know safety rules and terminology 	<ul style="list-style-type: none"> • Exercise in planning design & board footage • Pass a safety test for each machine. 	

February	<ul style="list-style-type: none"> • Planning & Designing • Planning Machines & Circular Saws 	<ul style="list-style-type: none"> • Be able to prepare a plan of procedure & a bill of materials for project. • Know safety, rules, uses and parts 	<ul style="list-style-type: none"> • Worksheets on subject • Safety worksheets for machines 	
March	<ul style="list-style-type: none"> • Measurement & Rough Layout • Types of wood joints 	<ul style="list-style-type: none"> • Mark joints and setup machinery with tools • Know different types of wood joints and uses 	<ul style="list-style-type: none"> • Identify and use Layout Tools correctly • Identify different types of wood joints and uses 	

<p style="text-align: center;">April</p>	<ul style="list-style-type: none"> • Glues, Gluing & Clamping • Metal Fastness • Router Use • Drill Press Use 	<ul style="list-style-type: none"> • Know Adhesives(types and uses) • Know types of clamps and uses(Bar and Parallel) • Know how to safely operate the router and drill press • Know types of fasteners and uses 	<ul style="list-style-type: none"> • Work on project that will test their skills with "4 big Machines"-router, drill press • Worksheets • Quizzes 	
<p style="text-align: center;">May</p>	<ul style="list-style-type: none"> • Sanding • Finishing 	<ul style="list-style-type: none"> • Know types of sandpaper and uses • Identify types of abrasives • Know types of finishes and the routines for finishing 	<ul style="list-style-type: none"> • Work on project using sanding & finishing skills • Worksheets • quizzes 	
<p style="text-align: center;">June</p>	<ul style="list-style-type: none"> • Wood shop cleanup • exams 	<ul style="list-style-type: none"> • Review all information for comprehensive Exam • Year end cleanup of shop class 	<ul style="list-style-type: none"> • A complete inspection of the woodshop • Final Comprehensive Exam 	