

Cabinetry

Career Cluster	Architecture and Construction
Course Code	17007
Prerequisite(s)	Introduction to Architecture and Construction
Credit	.5 – 1
Program of Study and Sequence	Cabinetry Sequence
Student Organization	SkillsUSA
Coordinating Work-Based Learning	Work place tours, Guest speakers
Industry Certifications	None
Dual Credit or Dual Enrollment	TBD
Teacher Certification	Architecture & Construction Cluster Endorsement; Construction Pathway Endorsement; Building Trades Endorsement; 7-12 Technology Education Endorsement
Resources	

Course Description:

This course is designed to introduce the students to the basics of cabinetry. The course will stress safe and proper use of hand and power tools; safe shop practices and shop environment safety. Students will display a working knowledge of terms and techniques to design and build a wood working project.

Program of Study Application

Introduction to Architecture and Construction is recommended but not required

Cabinetry

Advanced Cabinetry

Capstone Experience

Course Standards

Indicator # C 1 Observe and apply rules and regulations to comply with personal and shop safety.

<i>Webb Level</i>	<i>Sub-indicator</i>	<i>Integrated Content</i>
Two Apply	C1.1 Apply hand/power tool and lab safety standards. Examples: <ul style="list-style-type: none"> • Identify proper safety procedures in the lab • Select materials to enhance hand/power tool and lab safety • Examine proper hand/power tool and lab safety 	
One Describe	C1.2 Describe and wear appropriate personal protective equipment (PPE) when needed. Examples: <ul style="list-style-type: none"> • Eye protection • Ear protection • Impact Hat 	
One Indicate	C1.3 Indicate a knowledge of government regulations regarding health and safety in the shop. Examples: <ul style="list-style-type: none"> • Handle, use and store chemicals according to MSDS/SDS sheets • Apply fire safety rules and procedures 	Occupational Safety Health Administration (OSHA), Environmental Protection Agency (EPA), Department of Environment and Natural Resources (DENR)

Notes:

Indicator # C 2 Explore the different career opportunities in the industry.

<i>Webb Level</i>	<i>Sub-indicator</i>	<i>Integrated Content</i>
Three Investigate	2.1 Investigate and examine career opportunities in cabinetry industry Examples: <ul style="list-style-type: none"> • Research cabinetry jobs in the area • Examine educational requirements and job descriptions 	
Two Demonstrate	2.2 Demonstrate an understanding of necessary job skills needed in cabinetry careers Examples: <ul style="list-style-type: none"> • Attendance and punctuality • Positive attitude • Positive work ethic • Use of proper social skills • Display ability to work as part of team and take direction from others 	

Notes:

Indicator # C 3 Apply basic math principles used in the industry.

<i>Webb Level</i>	<i>Sub-indicator</i>	<i>Integrated Content</i>
Two Demonstrate	3.1 Demonstrate proper use of appropriate math skills Examples: <ul style="list-style-type: none"> • Addition, subtraction, multiplication and division of fractions • Calculate distance, area, volume 	
Two Demonstrate	3.2 Demonstrate an understanding of the difference between board feet and linear feet	
Two Demonstrate	3.3 Demonstrate proper measuring and layout skills Examples: <ul style="list-style-type: none"> • Read a tape/ruler to 1/16th inch • Display working knowledge of decimal conversions • Demonstrate use of the metric system 	

Notes:

Indicator # C 4 Identify various materials and apply project planning.

<i>Webb Level</i>	<i>Sub-indicator</i>	<i>Integrated Content</i>
One Identify	4.1 Identify wood species and engineered materials. Examples: <ul style="list-style-type: none"> • Hardwoods and softwoods • Plywood, Particle board, Medium Density Fiberboard, etc. 	
Three Analyze	4.2 Analyze design elements of a project plan Examples: <ul style="list-style-type: none"> • Recognize how components of a plan are assembled 	
Four Create Implement	4.3 Create and implement a bill of materials and cut list from a project drawing	
One Identify	4.4 Identify various types of hardware, fasteners, and adhesives used in the cabinetry industry Examples: <ul style="list-style-type: none"> • Screws, nails, glues, etc. • Drawer glides, hinges, pulls/knobs, etc. 	

Notes:

Indicator # C 5 Recognize various cabinetry joinery and assembly techniques.

<i>Webb Level</i>	<i>Sub-indicator</i>	<i>Integrated Content</i>
Two Demonstrate	5.1 Demonstrate common joinery techniques Examples: <ul style="list-style-type: none"> • Butt, miter, lap, dado, rabbit, tongue and groove etc. • Pock Hole, biscuit, dowel 	
Two Demonstrate Assemble	5.2 Demonstrate knowledge of industry concepts to assemble projects Examples: <ul style="list-style-type: none"> • Gluing, clamping and squaring • Applying proper fastening techniques 	

Notes:

Indicator # C 6 Recognize and apply surface preparation and finishing techniques.

<i>Webb Level</i>	<i>Sub-indicator</i>	<i>Integrated Content</i>
Two Apply	6.1 Apply surface preparation techniques Examples: <ul style="list-style-type: none"> • Select and use appropriate abrasive types and grit sizes • Select proper surface preparation tools 	
Two Apply	6.2 Apply finishing products Examples: <ul style="list-style-type: none"> • Stain, pigments and paints • Top coats (polyurethane, lacquer, varnish) 	

Notes: