CABINETMAKING 1, 2, 3, 4
COURSE CODES: 6080, 6081, 6082, 6083

COURSE DESCRIPTION:
In the Cabinetmaking program, students acquire workshop and tool safety and employability skills as they practice reading and later interpreting blueprints; estimating and selecting materials; cutting and shaping stock; assembling, fastening, and installing components; and finishing surfaces. They also learn to install interior finishes, apply wood veneers and plastic laminates, finish surfaces, and transport and install cabinets. The technical, problem-solving, leadership, and creative skills learned in Cabinetmaking can be applied in industries well beyond construction trades and professions and can prepare students for lifelong learning and success.

RESOURCES:
www.mysctextbooks.com

CREDIT:
1-3 Carnegie units per course (code); dependent upon school's schedule

A. APPLYING WOOD VENEERS AND PLASTIC LAMINATES

1. Apply adhesives.
2. Apply edge banding.
3. Apply laminate to core.
4. Apply wood edges.
5. Cut plastic to size.
6. Fit plastic laminate joints (plane joints).
7. Trim edges.

B. ASSEMBLING, FASTENING, AND INSTALLING COMPONENTS

1. Apply clamping devices (assemble clamping devices).
2. Assemble drawers.
3. Assemble ends, back, bracing, and face frame.
4. Assemble face frame.
5. Assemble joint.
6. Assemble panel door (assemble panels).
7. Attach molding/trim.
8. Fasten parts with nails.
9. Fasten parts with screws.
10. Fasten parts with staples.
11. Fasten top to casework.
12. Glue boards edge to edge.
13. Install catches.
14. Install doors.
15. Install drawer rail and guides.

16. Install hinges.
17. Install pulls and knobs.
18. Install shelves.
19. Install track and slide for sliding doors.
20. Reinforce joints with block/dowel.

C. CUTTING AND SHAPING COMPONENTS

1. Cut butt joint.
2. Cut counter top.
3. Cut dado/rabbet joint.
4. Cut doors.
5. Cut doweled joint.
6. Cut drawer guides and runners (rails).
7. Cut drawer front, sides, back, and bottom.
8. Cut ends, back, and interior bracing.
9. Cut face frame.
10. Cut miter joints.
11. Cut molding/trim.
12. Cut mortise and tenon joints.
13. Cut out for sink.
14. Cut frames and panels.
15. Cut shelving.
16. Cut spline joints.
17. Cut tongue and groove joints.
18. Edge (shape) counter top.
19. Plane stock.
20. Square solid stock.

D. DESIGNING AND LAYING OUT

1. Determine materials from a blueprint.
2. Draw detailed plans.
3. Estimate labor and material cost.
4. Sketch shop plans.

E. FINISHING SURFACES

1. Apply lacquers.
2. Apply paints.
3. Apply stains.
4. Apply varnishes/polyurethane.
5. Apply wood filler to nail or screw holes.
6. Clean surfaces.
7. Remove excess glue.

8. Sand surfaces.
9. Swell dents.

F. PERFORMING ADMINISTRATION FUNCTIONS

1. Assemble data for bookkeeping service.
2. Charge sales to customers' accounts.
3. Conduct cash sales.
4. Demonstrate cabinet types.
5. Discharge employee.
6. Interview applicants for employment.
7. Order stock.
8. Orient new employees.
9. Pay accounts payable.
10. Prepare bank deposits.
11. Prepare customer billing.
12. Prepare employee payroll.
13. Reconcile bank statement.
14. Schedule work assignments.
15. Set up work stations.
16. Take inventory.

G. TRANSPORTING AND INSTALLING CABINETS

1. Fasten cabinet to wall.
2. Trim cabinets (fit and trim base cabinets).
3. Prepare cabinets for hauling.