

Unit: Interior Finish

Title: Interior Doors

Skill(s) and Knowledge: Identify and describe the sizes and kinds of interior doors, make and set an interior door frame, hang an interior swing door, install locksets, set a pre-hung door. Identify bypass, bi-fold, pocket doors, split-jamb and solid jamb.

Tasks: Students will be able to identify the different types and sizes of doors and describe their uses.

Performance objective:

Build a door jamb and hang a swinging door into the jamb. Install a lockset.

Tools, supplies and reference materials:

Spare doors, hinges, chisels, cordless drill, #10 1" screws, lockset, handtools, 1x poplar and stop molding, Career Connections Project Book 3 pages 488-496. Manufacturer's installation instructions.

Methods of instruction: Demonstration on how build and install a jamb, then install hinges and hang a swinging door. Discussion of power-point presentation and text.

Estimated time: 30 hrs. **Number of students:** 10

Task analysis or activities:

Students will hang a door.

1. gather the materials and prep the area
2. identify and measure the R.O.
3. measure and cut the pieces for the jamb
4. apply the pieces
5. mark the hinge gains
6. cut out gains and install the door
7. install the lockset and knob

Evaluation: Students will be graded on their use of time, safety methods, quality of work, cleaning and organization of their work area, interaction with other students, and vocational employability skills grading rubric. Manipulative skills assessments and written evaluations.

Performance Notes:

Vocational Frameworks References

- 2.A.01.05 Identify and apply OSHA safety regulations.
- 2.D.07.01 Check walls for plumb using a level and a plumb bob.
- 2.E.01.01 Demonstrate use and maintenance of layout, marking and measuring tools.
- 2.I.02.04 Install interior doors.

English/Strand 3 Frameworks References:

- 3.A.09c Read technical manuals, guides, resource books and technical literature to gain information and solve problems.
- 3.A.03c Identify and use knowledge of common graphic features(charts, maps, diagrams).

Frameworks References: Math

- 3.B.07c Demonstrate the ability to visualize solid objects.

Common Core References:

- Read and listen critically for information understanding and enjoyment
- Set goals and achieve them by organizing time, workspace, and resources effectively
- Work both independently and in groups

SCANS references:

Foundation Skills:

1. Basic skills— reading, writing, mathematics, speaking, and listening.
2. Thinking Skills-- thinking creatively, making decisions, solving problems, visualizing, knowing how to learn, and reasoning
3. Personal qualities--individual responsibility, self-esteem, sociability, self-management, and integrity

Work Place Competencies

1. Resources--allocating time, money, material, space, and staff.
2. Interpersonal skills--working in teams, teaching others, serving customers, leading negotiating, and working well with culturally diverse populations.
3. Information--acquiring and evaluating data, organizing and maintaining files, interpreting & communicating, and using computer to process information
4. Systems--understanding social, organizational, and technological systems, monitoring and correcting performance, and designing or improving systems.
5. Technology--selecting equipment and tools, applying technology to specific tasks, and maintaining and troubleshooting technologies.