

**Unit:** Project Book 3 Commercial Doors and Hardware Unit 6

**Title:** Interior Doors

**Skill(s) and Knowledge:** Identify doors on the floor plan and door schedule and cross reference door numbers on the plans and schedule. Identify door components and swing.

**Tasks:** Students will be able to identify the different types and sizes of door jambs, i.e. knock-down and welded metal jambs, and make a door spreader.

**Performance objective:** Install a knock down jamb and hang a swinging door into the jamb. Install a handle and a lockset.

**Tools, supplies and reference materials:**

Knock down and welded jambs, doors, hinges, cordless drill, hinge screws, lockset, handtools, level, Career Connections Project Book 3 pages 312-345.

**Methods of instruction:** Demonstration on how to install a metal jamb, then install hinges and hang a swinging door and install a lockset. Discuss similarities and differences between wood and metal jambs.

**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. fit the jamb
4. hang the door
5. install the lockset

**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.E.01.01 Demonstrate use and maintenance of layout, marking and measuring tools.
- 2.H.02.06 Identify opening sizes and components for walls.
- 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

**Workplace 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.