

Carpentry Frameworks Based Lesson Plan

Finish the Interior Drywall 2.I.02.02

Unit: Project Book 3 Commercial Unit 4 Interior Systems

Title: Drywall Install

Skill(s) and Knowledge: Identify the various kinds, sizes and uses of drywall panels and the drywall specific tools, and adhesives and fasteners. Apply wall board to stud walls. Identify state and local building codes on drywall thickness related to fire ratings and fastener schedules.

Tasks: Students will be able to identify drywall tools and use them to properly install drywall. Use the drywall screw gun to set screws into the drywall at the proper depth.

Performance objective:

Apply drywall panels to a stud wall using the screw gun and setting the screws to the proper depth without tearing the paper face. Measure, layout and cut drywall to fit around electrical boxes or other obstacles.

Tools, supplies and reference materials:

Drywall, drywall T-square, knife, rasp, chalkline, compass saw, screwgun, drywall screws, Career Connections Project Book 3 p 215-263. IRC Building Code.
https://up.codes/viewer/int_residential_code_2015/chapter/7#7

Methods of instruction: Demonstration on how to install drywall with the drywall screwgun. Demonstration on how to cut and snap drywall panels and use of a roto-zip to cut around electrical boxes.

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

Task analysis or activities:

Students will apply drywall.

1. gather the materials and prep the area
2. measure and cut the panel
3. apply construction adhesive
4. fit the panel
5. fasten to studs with the screw gun

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:

Carpentry Frameworks Based Lesson Plan

Finish the Interior Drywall 2.I.02.02

Vocational Frameworks References (2012)

- 2.A.01.05 Identify and apply OSHA safety regulations.
- 2.B.04 Understand detail views and schedules.
- 2.E.01.01 Demonstrate use and maintenance of layout, marking and measuring tools.
- 2.I.02.02 Install wall board products..

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.