

Instructor: Bill Weaver

LESSON PLAN

PLANNED PROGRAM: Carpentry

PLANNED COURSE TITLE: Roof Framing

LESSON TITLE: Install Plywood Roof Sheathing

LESSON OBJECTIVE: Given job sheet # J-7-29 the student will successfully install plywood roof sheathing with 100% accuracy.

TIME ALLOWED: 20 minutes

EQUIPMENT/ MATERIALS: Listed on job sheet

REFERENCE: Trade and Industrial Education course of study
Carpentry. PA Department of Education

INTRODUCTION:

- A. Review elevation safety
- B. Review circular saw safety
- C. Review types of roof sheathing

BODY:

- A. Erect scaffold
- B. Strike a line at 47 1/4"
- C. Install full sheet so that it splices on center
- D. Continue to apply panels
- E. Second row install 4' sheet staggered
- F. Rip top row as needed min 8"
- G. Nail every 6"

SUMMARY: A. Review safety
B. Review types of roof sheathing
C. Review installation procedure

Associated Academic Standards:

MATH

2.2.8.B.

Add, subtract, multiply and divide different kinds and forms of rational numbers including integers, decimal fractions, percents and proper and improper fractions

2.3.8.D.

Estimate, use and describe measures of distance, rate, perimeter, area, volume, weight, mass and angles

2.5.8.D.

Determine pertinent information in problem situations and whether any further information is needed for solution

2.3.11.A.

Select and use appropriate units and tools to measure to the degree of accuracy required in particular measurement situations

LANGUAGE ARTS

1.1.11.F.

Understand the meaning of and apply key vocabulary across the various subject areas

1.4.11.D.

Maintain a written record of activities, course work, experience, honors and interests.

1.6.11.A.

Listen to others.

EVALUATION: The student will successfully install roof sheathing with 100% accuracy.

ASSIGNMENT: Job sheet J-7-29