



**Schuylkill Technology Center
Unit Plan**

INTERIOR FINISH

Course Title: Carpentry	CIP Code: 46.0201	Grade/Level: 11 th -12th Level 3
Instructor: Mr. Phil Kintzel		Timeline: (# of school days) School Days
Objectives: Describe how insulation works and define insulating terms and requirements. Describe the commonly used insulating materials and state where insulation is placed. Properly install various kinds of insulation. State the purpose of and install vapor retarders. Explain the need for ventilating a structure and describe types of ventilators. Describe various kinds, sizes, and uses of gypsum panels. Describe the kinds and sizes of nails, screws, and adhesives used to attach gypsum panels. Apply gypsum board to interior walls and ceilings. Conceal gypsum board fasteners and corner beads. Reinforce and conceal joints with tape and compound. Describe and apply several kinds of sheet wall paneling. Describe and apply various patterns of solid lumber wall paneling. Estimate quantities of drywall, drywall accessories, and sheet and board wall paneling. Identify the components of a suspended ceiling system. Lay out and install suspended ceilings. Identify standard interior moldings and describe their use. Apply ceiling and wall molding. Apply interior door casings, baseboard, base cap, and base shoe. Install window trim, including stools, aprons, jamb extensions, and casings. Apply strip and plank flooring. Estimate quantities of the parts in a suspended ceiling system. Estimate the quantities of molding need for windows, doors, ceilings, and base. Estimate wood flooring required for various installations.		
PA Core Standards: (List <u>ALL</u> standards you will address during this unit.) Math: CC.2.1.HS.F.1 Apply and extend the properties of exponents to solve problems with rational exponents. A1.1.1.1.1, A1.1.1.1.2, A1.1.1.3.1, A2.1.2.1.1, A2.1.2.1.2, A2.1.2.1.3, A2.1.2.1.4 CC.2.1.HS.F.2 Apply properties of rational and irrational numbers to solve real world or mathematical problems. A1.1.1.1.1, A1.1.1.1.2, A1.1.1.3.1 CC.2.1.HS.F.3 Interpret the structure of expressions to represent a quantity in terms of its context.		

A1.1.1.5.1, A1.1.1.5.2, A1.1.1.5.3, A2.1.2.2.1, A2.1.2.2.2

POS Duty/Task Numbers: (List ALL Tasks you will teach and assess during this unit.)

1100 INTERIOR FINISH

1101 Determine fastening methods used during interior finishing operations.

1102 Properly install fasteners used in interior finishing operations.

1103 Properly measure, layout and install tape and finish drywall.

1104 Properly measure, layout and install suspended and tile ceilings.

1105 Properly measure, layout and install interior doors.

1106 Properly measure, layout and install door, trim, casings and hardware.

1107 Properly measure, layout and install window trim, casings and hardware.

1108 Properly measure, layout and install baseboard and molding.

1109 Properly measure, layout and install hardwood, tile and block flooring.

1110 Properly measure, layout and install an interior set of stairs.

Instructional Procedures and Strategies: (Include all learning guides, strategies (MAX and other), procedures, etc. that will be used during this unit.)

Learning Guides:

1100-1 Interior Finish

Theory in the classroom

Stump the Teacher (MAX)

Demonstrations by the instructor

Guided Practice

Resources: (List all equipment and supplies necessary to complete the unit)

Appropriate Module

Pencil

Notebook Paper

Textbook (RCA Carpentry)

Carpenter Shop or Job Site

Appropriate Job-Sheets Packet

Performance Assessment Packet

Differentiation/Accommodations:

Students who are in need of accommodations will receive the following:

Presentation accommodations

Setting accommodations

Response accommodations

Timing/Scheduling accommodations

Assessments: (Formative and Summative)

Both graded and non-graded job assignments relating to the mastery of the POS tasks

KWL literacy assignments

Written unit test

Performance assessments to rate the students' competency of the POS tasks