NWCC NORTHWEST COLLEGE OF CONSTRUCTION

CONSTRUCTION TRADES EXPLORATION
Schedule Outline
Winter/Spring 2010

Day	Date	Time	Module #	Module Title
1		8:00 - 9:10am	00108-09	Employability Skills
2		8:00 - 9:00am	00108-09	Employability Skills
3		8:00 - 9:10am	00108-09	Employability Skills
4		8:00 - 9:10am	00108-09 & 27101-06	Employability Skills & Orientation to the Carpentry Trade
5		8:00 - 9:10am	00102-09	Introduction to Construction Math
6		8:00 - 9:10am	00102-09	Introduction to Construction Math
7		8:00 - 9:10am	00102-09	Introduction to Construction Math
8		8:00 - 9:10am	00102-09	Introduction to Construction Math
9		8:00 - 9:00am	00102-09	Introduction to Construction Math
10		8:00 - 9:10am	00102-09	Introduction to Construction Math
11		8:00 - 9:10am	00102-09	Introduction to Construction Math
12		8:00 - 9:10am	00102-09	Introduction to Construction Math
13		8:00 - 9:10am	27103-06	Hand and Power Tools
14		8:00 - 9:00am	27103-06	Hand and Power Tools
15		8:00 - 9:10am	27103-06	Hand and Power Tools
16		8:00 - 9:00am	27103-06	Hand and Power Tools
				Spring Break
17		8:00 - 9:10am	27103-06	Hand and Power Tools
18		7:20 - 8:30am	27103-06	Hand and Power Tools
19		8:00 - 9:10am	27103-06	Hand and Power Tools
20		8:00 - 9:10am	27103-06	Hand and Power Tools
21		8:00 - 9:10am	00105-09	Introduction to Blueprints
22		8:00 - 9:10am	00105-09	Introduction to Blueprints
23		7:20 - 8:30am	00105-09	Introduction to Blueprints
24		8:00 - 9:10am	00105-09	Introduction to Blueprints
25		8:00 - 9:10am	00105-09	Introduction to Blueprints
26		8:00 - 9:10am	03101-07	Introduction to Heating, Ventilation and Air Conditioning (HVAC)
27		8:00 - 9:10am	03101-07	Introduction to Heating, Ventilation and Air Conditioning (HVAC)
28		8:00 - 9:00am	03101-07	Introduction to Heating, Ventilation and Air Conditioning (HVAC)
29		8:00 - 9:10am	03101-07	Introduction to Heating, Ventilation and Air Conditioning (HVAC)
30		7:20 - 8:30am	22101-05	Orientation to the Heavy Equipement Operations Trade
31		8:00 - 9:10am	22101-05	Orientation to the Heavy Equipement Operations Trade
32		8:00 - 9:10am	22101-05	Orientation to the Heavy Equipement Operations Trade
33		8:00 - 9:10am	22101-05	Orientation to the Heavy Equipement Operations Trade
34		8:00 - 9:10am	28101-04	Introduction to Masonry
35		7:20 - 8:30am	28101-04	Introduction to Masonry
36		8:00 - 9:10am	28101-04	Introduction to Masonry
37		8:00 - 9:00am	28101-04	Introduction to Masonry
38		8:00 - 9:10am	CTTP 1	Introduction to Tile Trades; Product Identification and Application
39		8:00 - 9:10am	CTTP 1	Introduction to Tile Trades; Product Identification and Application
40		8:00 - 9:10am	CTTP 1	Introduction to Tile Trades; Product Identification and Application
41		8:00 - 9:10am	CTTP 1	Introduction to Tile Trades; Product Identification and Application
42		9:30 - 10:40am	Finals	Finals-Test

Parkrose Bell Schedule

Regular Schedule:

Wednesday Advisory Schedule:

Wednesday (Half Day, In-Service Days):

NORTHWEST COLLEGE OF CONSTRUCTION

WELDING FUNDAMENTALS
Schedule Outline
Fall 2010

Day	Date	Time	Module #	Module Title
1		8:00 - 9:10am	29101-03	Welding Safety
2		8:00 - 9:00am	29101-03	Welding Safety (exam)
3		8:00 - 9:10am	29101-03	Welding Safety
4		8:00 - 9:10am	00104-04	Hand Tool - Power Tools
5		8:00 - 9:10am	00104-04	Hand Tool - Power Tools
6		8:00 - 9:10am	29102-03	Oxyfuel Cutting
7		8:00 - 9:10am	29102-03	Oxyfuel Cutting
8		8:00 - 9:10am	29102-03	Oxyfuel Cutting
9		8:00 - 9:00am	29102-03	Oxyfuel Cutting
10		8:00 - 9:10am	29102-03	Oxyfuel Cutting
11		8:00 - 9:10am	29102-03	Oxyfuel Cutting
12		8:00 - 9:10am	29102-03	Oxyfuel Cutting
13		8:00 - 9:10am	29102-03	Oxyfuel Cutting
14		8:00 - 9:00am	29107-03	SMAW-Beads and Fillet Welds
15		8:00 - 9:10am	29107-03	SMAW-Beads and Fillet Welds
16		8:00 - 9:00am	29107-03	SMAW-Beads and Fillet Welds
17		8:00 - 9:10am	29107-03	SMAW-Beads and Fillet Welds
18		7:20 - 8:30am	29107-03	SMAW-Beads and Fillet Welds
19		8:00 - 9:10am	29107-03	SMAW-Beads and Fillet Welds
20		8:00 - 9:10am	29107-03	SMAW-Beads and Fillet Welds
21		8:00 - 9:10am	29107-03	SMAW-Beads and Fillet Welds
22		8:00 - 9:10am	29107-03	SMAW-Beads and Fillet Welds
23		7:20 - 8:30am	29107-03	SMAW-Beads and Fillet Welds
24		8:00 - 9:10am	29107-03	SMAW-Beads and Fillet Welds
25		8:00 - 9:10am	29107-03	SMAW-Beads and Fillet Welds
26		8:00 - 9:10am	29107-03	SMAW-Beads and Fillet Welds
27		8:00 - 9:10am	29207-03	SMAW-Beads and Fillet Welds (exam)
28		8:00 - 9:00am	29207-03	GMAW/FCAW Plate
29		8:00 - 9:10am	29207-03	GMAW/FCAW Plate
30		7:20 - 8:30am	29207-03	GMAW/FCAW Plate
31		8:00 - 9:10am	29207-03	GMAW/FCAW Plate
32		8:00 - 9:10am	29207-03	GMAW/FCAW Plate
33		8:00 - 9:10am	29207-03	GMAW/FCAW Plate
34		8:00 - 9:10am	29207-03	GMAW/FCAW Plate
35		7:20 - 8:30am	29207-03	GMAW/FCAW Plate
36		8:00 - 9:10am	29207-03	GMAW/FCAW Plate
37		8:00 - 9:00am	29207-03	GMAW/FCAW Plate
38		8:00 - 9:10am	29207-03	GMAW/FCAW Plate
39		8:00 - 9:10am	29207-03	GMAW/FCAW Plate
40		8:00 - 9:10am	29207-03	GMAW/FCAW Plate
41		8:00 - 9:10am	Finals	Finals-Test
42		9:30 - 10:40am	Finals	Finals-Test

Parkrose Bell Schedule

Regular Schedule:

Wednesday Advisory Schedule:

Wednesday (Half Day, In-Service Days):

NORTHWEST COLLEGE OF CONSTRUCTION

CONSTRUCTION TRADES EXPLORATION
Program Description
Winter/Spring 2010

Construction Trades Exploration introduces students to a variety of career possibilties and opportunities. Careers explored include: Carpentry, Heating, Ventilation and Air Conditioning (HVAC), Heavy Equipment Opeations, Masonry, and Tile Installation. General Employabilty skills, Construction Math, Hand and Power Tools and Blueprint Reading are introduced as well. Teaching methods include a combination classroom lecture with appropriate lab exercises.
Curriculum is published by the National Center for Construction Educatioin and Research (NCCER).

Topics covered include:

00108-09 Basic Employability Skills

Identifies the roles of individuals and complanies in the construction industry. Introduces trainees to critical thinking and problem solving skills and computer systems and their industry applications. Also reveiws effective relationship skills, effective self-presentations, and key workplace issues such as sexual harassment, stress, and substnace abuse.

27101-06 Orientation to the Carpentry Trade

Reviews the history of the trade, describes the apprentice program, identifies career opportunities for carpentry and construction workers, and lists the responsibilities and characteristics a worker should possess.

00102-09 Introduction to Construction Math

Reviews basic mathematical functions such as adding, subtractin, dividing, and multiplying whole numbers, fractions, and decimals, and explains their applications to the construciton trades. Explains decimal-fraction conversions and the metric system using practical examples. Also reviews basic geometry as applied to common shapes and forms.

27103-06 Hand and Power Tools

Provides detailed descriptions of the hand tools and portanble power tools used by carpenters. Emphasis is on safe and proper aperation of tools, as well as care and maintenance.

00105-09 Introduction to Blueprints

Familiarizes participants with basic blueprint terms, components, and symbols. Explains the different types of blueprint drawings (civil, architectural, structural, mechanical, plumbing/piping, and electrical) and instructs participants on how to interpret and use drawing dimensions.

03101-07 Introduction to Heating, Ventilaiton and Air Conditioning (HVAC)

Covers the basic principles of heating, vetilating, and air conditioning, career opportunities in HVAC, and apprenticeship programs.

22101-05 Orientation to the Heavy Equipment Operations Trade

Provides a comprehensive overview of heavy equipment uses, operator responsibilities, career opportunities, and safety principles associated with the operation of heavy equiprment.

28101-04 Introduction to Masonry

Introduces the participant to the historic and current materials and processes used in the masonry trade and covers safety concerns specific to the trade. Explains the uses of brick and concrete block, along with basic techniques for mixing mortar and laying masonry units. Covers opportunities in the trade. Allows participants to mix mortar and perform basic bricklaying.

CTTP 1; Tile Product Idntification and Application

Participants are introduced to major types of ceramic tile, setting materials, grouts and Material Safety Data Sheets. Students are provided and opportunity to apply installation and grouting techniques.