

DOCUMENT RESUME

ED 268 290

CE 044 114

AUTHOR Youshock, Joseph; Gilgannon, Nancy, Ed.  
 TITLE A Vocational/Special Education I.E.P. Planner.  
 INSTITUTION Bloomsburg Univ., PA.; Hazleton Area School District, Pa.  
 SPONS AGENCY Pennsylvania State Dept. of Education, Harrisburg. Bureau of Vocational and Technical Education.  
 PUB DATE [84]  
 NOTE 88p.  
 PUB TYPE Guides - Non-Classroom Use (055)

EDRS PRICE MF01/PC04 Plus Postage.  
 DESCRIPTORS Behavioral Objectives; Carpentry; Check Lists; Educational Objectives; \*Evaluation Criteria; Food Service; Horticulture; \*Individualized Education Programs; \*Minimum Competencies; Plumbing; Records (Forms); Secondary Education; Sewing Instruction; \*Special Education; Student Evaluation; \*Vocational Education

ABSTRACT

This booklet is intended to serve as a mechanism whereby special educators and vocational instructors can work cooperatively in developing an Individualized Educational Plan (IEP) for special needs students. The planner identifies appropriate occupational areas (horticulture, apparel assembly, carpentry, food service, and plumbing) and then proceeds to determine the vocational, safety, mathematics, and vocabulary tasks necessary for minimum performance in the occupation. Each section of the planner contains some or all of the following: shop name and subject area; an educational objective; frustration, instructional, and independence levels; and a checklist that cross-references competencies to spaces provided for instructors to record information concerning whether students have attained a given educational objective as well as the student's frustration, instructional, and independence levels in attempting to accomplish the task. (MN)

\*\*\*\*\*  
 \* Reproductions supplied by EDRS are the best that can be made \*  
 \* from the original document. \*  
 \*\*\*\*\*

85-4089

ED268290

Sponsor: Pennsylvania Department of Education  
Bureau of Vocational Education

PA 8/13/16

Developed by: Mr. Joseph Youshock

Edited by: Dr. Nancy Gilgannon

Title: A Vocational/Special Education I.E.P. Planner

U.S. DEPARTMENT OF EDUCATION  
NATIONAL INSTITUTE OF EDUCATION  
EDUCATIONAL RESOURCES INFORMATION  
CENTER (ERIC)

- This document has been reproduced as received from the person or organization originating it.
- Minor changes have been made to improve reproduction quality.

• Points of view or opinions stated in this document do not necessarily represent official NIE position or policy.

"PERMISSION TO REPRODUCE THIS MATERIAL HAS BEEN GRANTED BY

*B. Ford*

TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)."

Submitted to: Dr. Andrew Karpinski  
Department of Communication  
Disorders & Special Education  
Bloomsburg University  
Bloomsburg, PA 17815

Cooperating Agency: Hazleton Area Vocational-Technical  
School  
23rd & McKinley Streets  
Hazleton, PA 18201

CE 244114

## Table of Contents

	<u>Page</u>
Introduction . . . . .	1
Horticulture . . . . .	3
Mathematics Skills . . . . .	4
Vocabulary Skills . . . . .	6
Shop Tasks . . . . .	9
Safety Tasks . . . . .	12
Curriculum Planning Form . . . . .	22
I.E.P. Form . . . . .	24
Apparel Assembly . . . . .	25
Mathematics Skills . . . . .	26
Vocabulary Skills . . . . .	28
Shop Tasks . . . . .	31
Safety Tasks . . . . .	33
Curriculum Planning Form . . . . .	36
I.E.P. Form . . . . .	38
Carpentry . . . . .	39
Mathematics Skills . . . . .	40
Vocabulary Skills . . . . .	43
Shop Tasks . . . . .	51
Safety Tasks . . . . .	54
Curriculum Planning Form . . . . .	57
I.E.P. Form . . . . .	59
Food Service . . . . .	60
Mathematics Skills . . . . .	61
Vocabulary Skills . . . . .	63
Shop Tasks . . . . .	66
Safety Tasks . . . . .	69
Curriculum Planning Form . . . . .	73
I.E.P. Form . . . . .	75
Appendix A	
Shop Tasks - Plumbing . . . . .	76

## Introduction

The contents of this booklet provide a mechanism for special educators and vocational instructors to work cooperatively in the development of an Individualized Educational Plan for special needs students. This should result in a more productive response to occupational training by the special needs learner. Conceptually, an I.E.P. involves planning in cooperation with many professionals, in addition to parents and guardians. However, communication between special and vocational educators during this process has frequently been miniscule.

The vocational/special education I.E.P. planner identifies appropriate occupational areas and then proceeds to determine vocational, safety, mathematics, and vocabulary tasks necessary for minimum performance in the occupation. The special educator assesses the currency and present performance level of the special needs learner in mathematics and vocabulary skills. The assessment provides the basis for special education curriculum experience while experiencing vocational training. The vocational educator concurrently evaluates the vocational and safety tasks that the special needs learner will acquire. Using a planning form, the vocational and special educator jointly provide information needed for the I.E.P. This form becomes an addendum with the final I.E.P. for the learner.

The following vocational areas have been completed:  
horticulture, apparel assembly, food service, and carpentry.

Vocational/Special Education

IEP

Planner

Vocational Area: Horticulture

Special Education  
Curriculum Assessment Inventory

Shop: Horticulture

Subject Area: Mathematics

Student Name: \_\_\_\_\_

Ed Objective: Specific knowledge to be learned in order to perform occupational skills.

Frustration Level: Inability to acquire specific knowledge pertinent to occupation area introduced.

Instructional Level: Ability to perform objective under the guidance of the instructor (training level).

Independent Level: Can transfer knowledge to related situations with independence and proficiency (production level).

✓ indicates that student has achieved this goal

✗ indicates that student is working on this objective

Horticulture Mathematics Skills		<i>Objective</i>	<i>Frustration</i>	<i>Instructional</i>	<i>Independent</i>
Linear Measurements	Read inch ruler to nearest sixteenth				
	Read measuring tape for feet				
	Read feeler gauge to nearest thousandth				
	Read spark plug gauge - .025, .035, etc.				
	Read micrometer to nearest thousandth				
	Read pounds per square inch gauge				
Volume / Area	Be able to calculate square inches, square feet, square yards, acres				
	Be able to measure teaspoons, tablespoons, cups, pints, quarts, gallons, cubic feet, cubic yards				
	-----				

*Objective*  
*Extrastion*  
*Instructional*  
*Independent*

Standards

Determine 4 inch, 6 inch, 8 inch, 10 inch planting pots				
Determine standard pot, azalea pot, bulb pan				
Determine nail sizes by penny weight				
Determine wood screw sizes by gauge				

Computations

Be able to add, subtract, multiply, divide - fractions, percentages				
Convert fractions by 1/8ths to decimals and vice versa				
Convert fahrenheit to centigrade				
Convert pH scale to degree of acidity or alkalinity				

Special Education  
Curriculum Assessment Inventory

Shop: Horticulture

Subject Area: Vocabulary

Student Name: \_\_\_\_\_

Ed Objective: Specific knowledge to be learned in order to perform occupational skills.

Frustration Level: Inability to acquire specific knowledge pertinent to occupation area introduced.

Instructional Level: Ability to perform objective under the guidance of the instructor (training level).

Independent Level: Can transfer knowledge to related situations with independence and proficiency (production level).

✓ indicates that student has achieved this goal

X indicates that student is working on this objective

Horticulture Vocabulary Skills	Objective	Frustration	Instructional	Independent
Soil				
Peat				
Mulch				
Perlite				
Organic				
Inorganic				
Rooting Medium				
Annual				
Biennial				
Perennial				
Dormant				



Objective  
 Frustration  
 Instructional  
 Independent

Stock Plant				
Transplant				
Seedling				
Bulb				
Corm				
Cutting				
Ground Cover				
Green Manure				
Deciduous Trees				
Evergreen Trees				
Coniferous Trees				
Chlorophyll				
Nutrients				
Photosynthesis				
Transpiration				
Graft				
Crop Rotation				
Pruning				
Harden Off				
Pinching				
Shrub				
Toxic				
Ball & Burlap				
Girdling				
Hardpan				
Leached				
Succulent				
Bare Root				
Complete Fertilizer				
Erosion				
Heading Back				
Loam				

	<i>Objective</i>	<i>Frustration</i>	<i>Instructional</i>	<i>Independent</i>
Ph				
Sodding				
Thatch				
Topiary				
Weed				
Windburn				
Cold Frame				
Drip Line				
Flat				
Humidity				
Irrigation				
Node				
Tuber				
Vermiculite				
Bulb Planter				
Aerator				
Dethatcher				
Duster				
Loppers				
Cutter Mattock				
Rotary Mower				
Reel Mower				
Spade				
Trowel, Planting				
Cultivator, Hand				

Vocational Curriculum Assessment Inventory

Shop: Horticulture

Student Name: \_\_\_\_\_

Objective: Specific knowledge to be learned in order to perform occupational skills.

Exposure: Step by step demonstration has been presented by teacher or tutor through a sequential and developmental process.

Training: Performs entire task with direct assistance. Prompting is needed.

Production: The learner has been able to complete this task independently; however, he still lacks the speed and level of accuracy to be considered employable.

Employable: The learner is able to complete the task at a "normal rate" without error and independently for at least five consecutive trials.

✓ indicates that student has achieved this goal

✗ indicates that student is working on this objective

Horticulture Tasks		Objective	Exposure	Training	Production	Employable
Planting Skills	Clean seed					
	Plant seed					
	Plant bulbs					
	Plant shrubs					
	Plant bare-root trees					
	Plant ball & burlapped trees					
	Plant containerized trees					
	Plant lawn and turf grasses					
	Remove cuttings from stock plants					

Planting Skills  
(cont'd)

*Objective*  
*Exposure*  
*Training*  
*Production*  
*Employable*

Stick cuttings in rooting medium					
Transplant seedlings to pots or flats					
Apply rooting hormone powders					
Label planted specimens					

Maintaining Plants

Sterilize soil					
Cultivate planting beds					
Fertilize crops					
Fertilize potted plants					
Prune plants					
Water plants					
Control placement of plants					
Apply mulches					
Remove diseased plants					
Check plants for insects and diseases					
Remove faded flowers from plants					
Apply lime and fertilizer according to soil test					
Haul and spread topsoil					

Operating Equipment

Operate power mower					
Operate hand sprayer					
Operate power sprayer					
Mow and trim lawn					
Apply fertilizer with centrifugal spreader					
Apply fertilizer with hopper spreader					
Use soil probe or auger					

	<i>Objective</i>	<i>Exposure</i>	<i>Training</i>	<i>Production</i>	<i>Employment</i>
Maintaining Equipment	Clean and sharpen hand tools				
	Clean and sharpen garden tools				
	Replace handles on tools				
	Clean mower blades				
	Sharpen mower blades				
	Thoroughly clean spraying equipment				
	Service small gasoline engines				
	Paint lawn and garden furniture				
-----					
Organization/Leadership	Knows characteristics of a good leader				
	Knows origin and history of FFA				
	Knows purposes of FFA organization				
	Knows meaning of FFA colors and parts of emblem				
	Knows FFA motto and pledge				
	Reads FFA publications				
	Knows FFA offices and their duties				
	Knows how to use parliamentary procedure				
-----					

Vocational Curriculum Assessment Inventory

Shop: Horticulture

Student Name: \_\_\_\_\_

Objective: Specific knowledge to be learned in order to perform occupational skills.

Exposure: Step by step demonstration has been presented by teacher or tutor through a sequential and developmental process.

Training: Performs entire task with direct assistance. Prompting is needed.

Production: The learner has been able to complete this task independently; however, he still lacks the speed and level of accuracy to be considered employable.

Employable: The learner is able to complete the task at a "normal rate" without error and independently for at least five consecutive trials.

✓ indicates that student has achieved this goal

✗ indicates that student is working on this objective

Horticulture Safety Tasks

General Rules

	<i>Objective</i>	<i>Exposure</i>	<i>Training</i>	<i>Production</i>	<i>Employable</i>
Wear appropriate shop clothing. Loose sleeves, aprons, neckties, and dangling clothing are dangerous					
Do not disturb others while they are operating power equipment					
Keep mind on work					
Keep and use guards on all equipment					
Keep shop clean and free of rubbish and surplus tools					
Stop all power machines before making adjustments					

		<i>Objective</i>	<i>Exposure</i>	<i>Training</i>	<i>Production</i>	<i>Employee's</i>
Power Grinder	Always wear protective goggles when grinding					
	Tool rest is kept adjusted and close to the wheel					
	Do not hold with pliers any round or spherical objects					
	Keep wheel properly trued up by frequent dressing					
	Use the face and not the side of the wheel when taking heavy cuts					
	Do not grind on wheel while it is coasting to a stop					
	Check stone for cracks or flaws					
	Do not use a grinding wheel if it is worn to less than half its original diameter. It should be replaced					
-----						
Drill Press	Secure all work with clamp, vise or other means before drilling					
	Check to make sure the chuck grips the bit tightly					
	Be sure chuck key is removed before starting the drill					
	Use a center punch large enough to receive the point of drill					
	Use proper lubricant when drilling metal					
	Avoid forcing the drill bit					
	Keep the long end of the stock to your left when possible					
	Support the ends of long stock with a stand					
	Adjust the drill press to the proper speed for the material being drilled					
	Do not attempt to stop a revolving piece of wood or metal in which the bit is caught					

*Objective*  
*Exposure*  
*Training*  
*Production*  
*Employable*

Drill Press  
(cont'd)

Clean chips off work and table with a brush to avoid slivers in hands					
Withdraw bit frequently if it goes deeper than flutes, so flutes can be cleaned of shavings					
Reduce pressure when bit begins to break through bottom of work					

-----

Circular Saw

Do not rip uneven stock unless one edge has been jointed					
Adjust saw so that teeth will extend 1/8" to 1/4" above work					
Don't attempt to cut long boards without assistance					
Keep floor around saw free of blocks and trash					
Use a push stick when ripping narrow pieces					
Never use the rip fence as a gauge in crosscutting short pieces					
Do not place hands over or in front of the blade					
Use saw guard on all work where possible					
Be sure saw table is free of material and tools and that all adjustments are tightened before turning on power					
Stand slightly to one side when operating saw, and be sure others are out of the way					
Hold material against ripping fence when ripping, and against miter gauge when crosscutting					
Do not use a dull blade or one with inadequate set. Such a blade is likely to cause a kickback					

-----



*Objective*  
*Exposure*  
*Training*  
*Production*  
*Employability*

Jig Saw

Make sure blade is properly chucked and is clear before turning on					
Set blade to cut on down stroke					
Set upper blade guide just above material being cut					
Use speed and blade type corresponding to material being sawed					
Feed material into blade slowly. Be especially careful when sawing small circles					
Plan cuts to avoid "backouts" whenever possible					
Never use a cracked or kinked saw blade					
Test blade for tension before starting saw					

Electric Welding

Use welding helmet when welding and clear goggles when chipping					
Wear heavy leather gloves and apron					
Wear trousers without cuffs, but long enough to prevent metal from falling into operator's shoes					
Make sure electrode holder and all electrical connections are properly insulated					
Do not use welder in damp location					
Never strike an arc until you are sure everyone nearby is protected from the arc rays					
Prevent cables from coming in contact with hot metal or sharp objects					
If electrode becomes stuck to work, shut off power and remove with pliers					



*Objective*  
*Exposure*  
*Training*  
*Production*  
*Employable*

Oxy-Acetylene Welder

	<i>Objective</i>	<i>Exposure</i>	<i>Training</i>	<i>Production</i>	<i>Employable</i>
Fasten cylinders so they cannot tip over					
Check for leaks around connections with soapy water, never an open flame					
Do not turn acetylene or propane on until ready to light torch					
Use goggles, gloves and other protective clothing					
Keep all oil and grease away from welding equipment					
Stand to one side when opening cylinders					
NEVER use more than 15# pressure on acetylene line					
Keep face a reasonable distance away from work					
Never allow end of tip to get into molten puddle					
Close acetylene valve first when shutting down torch					
Never weld or cut metal where sparks will drop onto concrete					
ALWAYS use regular friction lighter to light torch					
Keep hot metal and flame away from hose					
Keep tip pointed away from everyone to prevent saturating clothes with gas before lighting torch					
Keep acetylene or propane cylinder in an upright position when welding to prevent liquid in tank from being forced out the hose					

Oxy-Acetylene  
Welder  
(cont'd)

*Objective*  
*Exposure*  
*Training*  
*Production*  
*Employability*

When welding or cutting galvanized iron, avoid breathing fumes. Use forced ventilation or do the job out of doors					
Close tank valves tightly when welding is completed and bleed out hoses					
-----					
Use guard over cutterhead on all jobs that will permit its use. The fence should be set as near the operator as its width of stock will permit					
Use a push stick when surfacing thin stock					
Do not attempt to surface stock that is less than 10" in length					
Stand to the left of the jointer, never directly in back of it					
Do not attempt to take too heavy a cut					
See that the "clamping screws" on the fence are screwed down securely, so that the fence cannot slip while in use					
Do not let your fingers extend over either end of a board being planed					
Do not attempt to plane stock material that cannot be held securely against the fence					
Change position of the hands so they will never be directly over the jointer when passing work over the jointer					
Do not joint end grain, feed stock with the grain					

Jointer

Jointer  
(cont'd)

*Objective*  
*Exposure*  
*Training*  
*Production*  
*Employable*

See that the material run over the jointer is sound and free of knots and splits					
-----					
Use only blades that are sharp and in good condition					
Be sure the blade guides are adjusted to almost touch the blade at the back edge and at the sides when it is running free and not cutting					
Stand slightly to one side of the line of sawing, and feed the work only as fast as the saw will take it					
Always keep hands away from blade while it is in operation					
Plan work, if possible, so that it will not be necessary to back the saw out of the cut					
Keep upper guide set down close to the work, particularly when sawing thick material					
In sawing irregular work, saw as near the line as possible the first time through. If necessary, make a second cut to finish certain parts					
Tilt table to cut bevels					
In cutting several pieces to the same length, the ripping fence may be used as a gauge					
If blade tends to lead off to one side, it may be dull or unevenly set, or the guides may be improperly set					
-----					

Band Saw

*Objective*  
*Exposure*  
*Training*  
*Production*  
*Employability*

Wood Lathe

Do not wear loose, floppy clothing					
Always check to be sure stock is securely mounted, then spin setup by hand before starting lathe					
Do not make adjustments or any measurements when lathe is running					
Be sure stock has no loose knots, insecurely glued joints or chucked ends					
Adjust tool rest so it is slightly above center of stock and close to stock					
Operate lathe at slow speed until stock is cylindrical; regulate speed according to size and length of stock					
Clamp tailstock firmly in place, and lock tailstock spindle before starting lathe					
Keep tools sharp; place tools in rack when finished to keep sharp					

Sander  
 (Belt and Disc)

Be careful to keep fingers away from sanding surface					
Do not apply too much pressure to object you are sanding					
Do not keep object you are sanding at the same position on the belt or disc for too long a time					
Sand with rotation of wheel or belt					

Portable  
 Electric  
 Tools

Because of danger of shock, portable tools should always be grounded while in use					
Always remove plug from outlet before changing blades, belts, etc., or before lubricating or inspecting					



*Objective*  
*Exposure*  
*Training*  
*Production*  
*Employable*

	<i>Objective</i>	<i>Exposure</i>	<i>Training</i>	<i>Production</i>	<i>Employable</i>
Portable Electric Tools (cont'd)	Never carry or drag tools around by the cord				
	Keep cord free from grease and oil				
	Small pieces of wood or metal which are to be worked on should be placed in a vise or fastened securely to the bench				
	Be sure switch is off before inserting plug in outlet				
	Make sure all nails or other pieces of metal are removed before starting to work on wood with portable tools				
	Make sure electric cord is out of the way before starting tool				
-----					
Soldering	Do not overheat soldering copper				
	Never lay a hot soldering copper on a regular bench top				
	When using an open flame, make sure it is pointed in the proper direction				
-----					
Painting	Keep paints tightly covered when not in use				
	Keep brushes clean and store them properly				
	Protect nearby objects and persons when painting				
	Make sure all cans of turpentine, gasoline, kerosene, etc., are covered (capped) when not being used				
-----					

Miscellaneous

	<i>Objective</i>	<i>Exposure</i>	<i>Training</i>	<i>Production</i>	<i>Employability</i>
Do not use a dull tool; sharpen it					
Use proper tool for the job; especially hand tools					
Always shut off power tools before leaving them					
Do not use mushroomed tools or tools with loose handles					
Do not use tools that are not properly fitted					

Vocational/Special Education  
Curriculum Planning Form

Student's Name \_\_\_\_\_

Recommended Occupational Area \_\_\_\_\_

Agreement of Shop Instructor                
Yes No

Agreement of Special Education Instructor                
Yes No

Immediate Vocational and Safety Tasks to be Accomplished:  
Vocational Instructor

Immediate Mathematics and Vocabulary Tasks to be Accomplished:  
Special Education Instructor

Needed Materials (Vocational/Special Education Instructors):



Special Facilities (Vocational/Special Education Instructors):

Needed Aids (Vocational/Special Education Instructors):

Time Needed to Complete Tasks (Vocational/Special Education Instructors):

Needed Ability Level of Students (Vocational/Special Education Instructors):

Vocational Instructor \_\_\_\_\_  
Signature

Special Education Instructor \_\_\_\_\_  
Signature

I.E.P.

Student's Name \_\_\_\_\_ Grade/Program \_\_\_\_\_

Birth Date \_\_\_\_\_ Teacher(s) \_\_\_\_\_

Present Date \_\_\_\_\_ School \_\_\_\_\_

<u>Primary Assignment(s)</u>	<u>Date Started</u>	<u>Expected Duration of Services</u>	<u>Special Media or Materials</u>
_____	_____	_____	_____
_____	_____	_____	_____

Reason for Assignment(s): \_\_\_\_\_

<u>Services</u>			
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Dates for review and/or revision of the Individualized Education Program Plan:  
\_\_\_\_\_

Personal responsible for the maintenance and implementation of the Individualized Education Program Plan:  
\_\_\_\_\_



Vocational/Special Education

IEP

Planner

Vocational Area: Apparel Assembly

Special Education  
Curriculum Assessment Inventory

Shop: Apparel Assembly

Subject Area: Mathematics

Student Name: \_\_\_\_\_

Ed Objective: Specific knowledge to be learned in order to perform occupational skills.

Frustration Level: Inability to acquire specific knowledge pertinent to occupation area introduced.

Instructional Level: Ability to perform objective under the guidance of the instructor (training level).

Independent Level: Can transfer knowledge to related situations with independence and proficiency (production level).

✓ indicates that student has achieved this goal

✗ indicates that student is working on this objective

Apparel Assembly Mathematics

		<i>Objective</i>	<i>Frustration</i>	<i>Instructional</i>	<i>Independent</i>
Measuring Devices to the 1/8"	6" rule or seam gauge rule				
	12" rule				
	Yard stick				
	72" rule				
	60" flexible tape measure				
	Set seam gauges using 6" rule to 1/8"				
-----					
Yardage	Inches to the yard				
	Feet to the yard				
	Inches in 1/4 yard				
	Inches in 1/2 yard				
	Inches in 3/4 yard				
-----					

Metric System

mm in a cm

cm in a metre

Objective

Frustration

Instructional

Independent

Special Education  
Curriculum Assessment Inventory

Shop: Apparel Assembly

Subject Area: Vocabulary

Student Name: \_\_\_\_\_

Ed Objective: Specific Knowledge to be learned in order to perform occupational skills.

Frustration Level: Inability to acquire specific knowledge pertinent to occupation area introduced.

Instructional Level: Ability to perform objective under the guidance of the instructor (training level).

Independent Level: Can transfer knowledge to related situations with independence and proficiency (production level).

✓ indicates that student has achieved this goal

✗ indicates that student is working on this objective

Apparel Assembly Vocabulary

	<i>Objective</i>	<i>Frustration</i>	<i>Instructional</i>	<i>Independent</i>
Alteration				
Apparel				
Attire				
Basting				
Binding				
Bobbin				
Bodice				
Buttonhole				
Cotton				
Darts				
Dry Goods				

*Objective*  
*Frustration*  
*Instructional*  
*Independent*

	<i>Objective</i>	<i>Frustration</i>	<i>Instructional</i>	<i>Independent</i>
Fabric				
Facing				
Fasteners				
Fibers				
Foot (Machine)				
Garment				
Grain				
Hems				
Industrial Sewing				
Interfacing				
Iron-On				
Knitted Fabrics				
Lining				
Lockstitch				
Man-Made Fiber				
Nap				
Non-Woven				
Notch				
Notions				
Operation				
Pattern				
Pile				
Pinking Shears				
Plackets				
Sample				
Selvage				
Shears				
Shirring				
Slide Fasteners				
Tape Measure				
Textile				

*Objective*  
*Frustration*  
*Instructional*  
*Independent*

Underthreading				
Upper Threading				
Warp				
Weave				
Wool				
Zipper				



Vocational  
Curriculum Assessment Inventory

Shop: Apparel Assembly

Student Name: \_\_\_\_\_

Objective: Specific knowledge to be learned in order to perform occupational skills.

Exposure: Step by step demonstration has been presented by teacher or tutor through a sequential and developmental process.

Training: Performs entire task with direct assistance. Prompting is needed.

Production: The learner has been able to complete this task independently; however, he still lacks the speed and level of accuracy to be considered employable.

Employable: The learner is able to complete the task at a "normal rate" without error and independently for at least five consecutive trials.

✓ indicates that student has achieved this goal

X indicates that student is working on this objective

Apparel Assembly Tasks	Objective	Exposure	Training	Production	Employable
Identify basic machine parts (manufacturer's manual)					
Operate machine for control (unthreaded)					
Thread upper machine					
Thread bobbin or underthreading					
Operate threaded machine to develop control					
Start machine					
Stop machine					

	<i>Objective</i>	<i>Exposure</i>	<i>Training</i>	<i>Production</i>	<i>Employable</i>
Pivot and turn					
Stitch wavy lines					
Stitch circles					
Stitch various seams (listed in text or manual)					
Stitch darts					
Back tack or reverse stitching					
Change needle in machine					
Test machine					
Check for quality stitch					
Identify S.P.I. (stitches per inch)					
Change feet					
Operate machine with gauges					
Operate machine with attachments					
Identify with measuring devices fractions to 1/8"					
Sew basic hand stitches (listed in text or manual)					
Identify notches on garment					
Mark and chalk pattern pieces					
Assist in cutting					
Assist in garment construction					
Assist in hand finishing					
Assist in under pressing					
Incorporate pressing safety procedures					
Assist in trimming and cleaning garment					
Select threads to match jobs					
Organize stock and material in shop					
Fill bobbins to match jobs					
Maintain cleanliness in work area					

Vocational Curriculum Assessment Inventory

Shop: Apparel Assembly

Student Name: \_\_\_\_\_

Objective: Specific knowledge to be learned in order to perform occupational skills.

Exposure: Step by step demonstration has been presented by teacher or tutor through a sequential and developmental process.

Training: Performs entire task with direct assistance. Prompting is needed.

Production: The learner has been able to complete this task independently; however, he still lacks the speed and level of accuracy to be considered employable.

Employable: The learner is able to complete the task at a "normal rate" without error and independently for at least five consecutive trials.

✓ indicates that student has achieved this goal

X indicates that student is working on this objective

Apparel Assembly Safety	<i>Objective</i>	<i>Exposure</i>	<i>Training</i>	<i>Production</i>	<i>Employable</i>
Do not put pins or needles in your mouth					
Do not put open scissors or other sharp objects on machine					
Always concentrate on your own work; don't let your mind wander while operating machine					
Report any accident and treat any injury immediately, no matter how minor					

	<i>Objective</i>	<i>Exposure</i>	<i>Training</i>	<i>Production</i>	<i>Employable</i>
Keep equipment in proper working condition. Immediately report any broken equipment. Do not attempt to make any adjustments or repairs about which you are not absolutely sure					
Replace burned out light bulbs promptly					
Turn off motor when machine is not in use					
Learn the location of switches, plug-ins, and fuses					
In case of an emergency, learn how to turn off main switch					
Hold the plug, not the cord, when disconnecting electric cords					
Use extreme care. Carelessness causes accidents. Be sure before you proceed; if in doubt, don't. Caution is still the best safety device known					
Practice good posture					
Keep hands on lap					
Do not start or stop machine by turning the balance wheel with hands					
Lower presser foot and needle and turn off motor when machine is not in use					
Keep hands away from needle					
Do not pull material through machine					
Control speed of the machine; stitch slowly					
Do not use the hand as a brake to stop the machine					
If it is necessary to turn balance wheel by hand, do so only after machine has stopped completely					

	<i>Objective</i>	<i>Exposure</i>	<i>Training</i>	<i>Production</i>	<i>Employable</i>
Never keep presser foot down when operating machine without fabric					
Be sure to raise presser foot if filling bobbin when not stitching					
Remove all thread ends from bobbin before refilling					
Use both hands to raise head of machine					
Keep both feet off treadle					
Do not place bobbin case in machine when needle is down					
Close bed plate before operating machine					
Keep feet off treadle when replacing needle					
Make only those adjustments you have been trained to do					
Report trouble to the proper person					
Turn off motor when cleaning machine					
Never oil machine manually while it is in operation					
Use both hands to raise and lower head of machine					
Be careful not to spill oil on floor					
If some does spill, clean it immediately					
Do not oil or grease motor					

Vocational/Special Education  
Curriculum Planning Form

Student's Name \_\_\_\_\_

Recommended Occupational Area \_\_\_\_\_

Agreement of Shop Instructor                
Yes No

Agreement of Special Education Instructor                
Yes No

Immediate Vocational and Safety Tasks to be Accomplished:  
Vocational Instructor

Immediate Mathematics and Vocabulary Tasks to be Accomplished:  
Special Education Instructor

Needed Materials (Vocational/Special Education Instructors):

Special Facilities (Vocational/Special Education Instructors):

Needed Aids (Vocational/Special Education Instructors):

Time Needed to Complete Tasks (Vocational/Special Education Instructors):

Needed Ability Level of Students (Vocational/Special Education Instructors):

Vocational Instructor \_\_\_\_\_

Signature

Special Education Instructor \_\_\_\_\_

Signature

I.E.P.

Student's Name \_\_\_\_\_ Grade/Program \_\_\_\_\_

Birth Date \_\_\_\_\_ Teacher(s) \_\_\_\_\_

Present Date \_\_\_\_\_ School \_\_\_\_\_

<u>Primary Assignment(s)</u>	<u>Date Started</u>	<u>Expected Duration of Services</u>	<u>Special Media or Materials</u>
_____	_____	_____	_____
_____	_____	_____	_____

Reason for Assignment(s): \_\_\_\_\_

<u>Services</u>			
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Dates for review and/or revision of the Individualized Education Program Plan:  
\_\_\_\_\_

Personal responsible for the maintenance and implementation of the Individualized Education Program Plan:  
\_\_\_\_\_





Vocational/Special Education

IEP

Planner

Vocational Area: Carpentry

Special Education  
Curriculum Assessment Inventory

Shop: Carpentry

Subject Area: Mathematics

Student Name: \_\_\_\_\_

Ed Objective: Specific knowledge to be learned in order to perform occupational skills.

Frustration Level: Inability to acquire specific knowledge pertinent to occupation area introduced.

Instructional Level: Ability to perform objective under the guidance of the instructor (training level).

Independent Level: Can transfer knowledge to related situations with independence and proficiency (production level).

✓ indicates that student has achieved this goal

✗ indicates that student is working on this objective

Carpentry Mathematics Skills

	<i>Objective</i>	<i>Frustration</i>	<i>Instructional</i>	<i>Independent</i>
Match symbols used in math problems to their names				
Solve math problems involving addition				
Solve math problems involving subtraction				
Solve math problems involving division				
Solve math problems involving multiplication				
Identify numerator and denominator in a given fraction				
Distinguish between proper, improper and mixed fractions				

Calculation

*Objective*  
*Frustration*  
*Instructional*  
*Independent*

Calculation (cont'd)	Convert mixed numbers to improper fractions				
	Convert improper fractions to mixed numbers or whole numbers				
	Reduce fractions to lowest terms				
	Write the place value of each digit in a numeral with three decimal places				
	Write numbers in decimal notation				
	Write number words as decimal numerals				
	Write decimals to the nearest whole number, tenth and hundredth				
	Solve problems involving addition of decimals, subtraction of decimals, multiplication of decimals, and division of decimals				
	Write fractions as decimals and percents				
	Write percents as fractions and decimals				
-----					
Basic Measuring Tools	Identify basic measuring tools				
	Read a rule to the nearest one-sixteenth of an inch				
	Measure objects				
	Draw objects to specified dimensions				
	Calculate basic math problems dealing with area				
	Calculate basic math problems dealing with volume				
	Write the formula for figuring board feet				



*Objective*  
*Frustration*  
*Instructional*  
*Independent*

Basic Measuring Tools (cont'd)

Write the formula for estimating concrete				
Compute board feet and cost				
Estimate number of lineal feet of molding required for a job				
Lay out 90° and 45° angle using a framing square				
Lay out various angles using a protractor and sliding T bevel				
Lay out equal spaces using a rule				
Lay out equal spaces using dividers				
Measure angles using a protractor				
Describe how to check a 90° angle using the 6-8-10 triangle theory				

Special Education  
Curriculum Assessment Inventory

Shop: Carpentry

Subject Area: Vocabulary

Student Name: \_\_\_\_\_

Ed Objective: Specific knowledge to be learned in order to perform occupational skills.

Frustration Level: Inability to acquire specific knowledge pertinent to occupation area introduced.

Instructional Level: Ability to perform objective under the guidance of the instructor (training level).

Independent Level: Can transfer knowledge to related situations with independence and proficiency (production level).

✓ indicates that student has achieved this goal

✗ indicates that student is working on this objective

Carpentry Vocabulary Skills

	<i>Objective</i>	<i>Frustration</i>	<i>Instructional</i>	<i>Independent</i>
Air-drying				
Annular Ring				
Asphalt				
Backblocking				
Backerboard				
Backsplash				
Balloon Framing				
Balustrade				
Band				
Base Cap				
Batten				

*Objective*

*Frustration*

*Instructional*

*Independent*

	<i>Objective</i>	<i>Frustration</i>	<i>Instructional</i>	<i>Independent</i>
Bearing Block				
Bearing Partition				
Bifold Door				
Blade				
Blind-nailing				
Blind Stop				
Board and Batten				
Body				
Bow Warp				
Braced Framing				
BTU				
Built-up Roof				
Bypass Door				
Caneboard				
Cantilever				
Cant Strip				
Cement (1)				
Cement (2)				
Clerestory				
Collar Beam				
Conduction				
Convection				
Corner Bead (1)				
Corner Bead (2)				
Cornice				
Cricket				
Crook Warp				
Crossband				
Cross-nailing				
Cross Partition				
Crown				

*Objective*  
*Frustration*  
*Instructional*  
*Independent*

	<i>Objective</i>	<i>Frustration</i>	<i>Instructional</i>	<i>Independent</i>
Cup Warp				
Dead Load				
Dimpling				
Dormer				
Double-cheek Cut				
Double-coursing				
Double-glazing				
Doubler				
Drop				
Dub Off				
Eaves Trough				
Edge-grained				
Edge Joist				
Elevation				
Escutcheon				
Expansion Joint				
Exposure				
Field				
Fillet				
Finger-jointing				
Fire Cut				
Fire-rated				
Firestop				
Flange				
Flashing				
Fly Rafter				
Frieze				
Frost Line				
F.R.R.				
Furring				
Gain				

	<i>Objective</i>	<i>Frustration</i>	<i>Instructional</i>	<i>Independent</i>
Galvanic Action				
Glue-laminating				
Grade (1)				
Grade (2)				
Grain				
Gusset				
Header Joist				
Hip				
I.I.C.				
Intermediate Stud				
Isolation Joint				
Joint Treatment				
Keyway				
Kiln-drying				
Knee Wall				
Ladder (1)				
Ladder (2)				
Leader				
Leaf				
Level				
Live Load				
Lockset				
Lookout				
Loose Fill				
Lug				
Module				
Moisture Content				
Mud Sill				
Mullion				
Muntin				
O.C.				



	<i>Objective</i>	<i>Frustration<sup>47</sup></i>	<i>Instructional</i>	<i>Independent</i>
Offal				
Open Time				
Ordinance				
Panel (1)				
Panel (2)				
Parallel Partition				
Parquet				
Parting Strip or Stop				
Party Wall				
Pedestal				
P.E.T.				
Pitch				
Plain-sawed				
Plane				
Plastic Laminate				
Plate				
Plate Cut				
Plot Plan				
Plumb Cut				
Pocket Door				
Polyethylene				
Post				
Post and Beam				
Purlin (1)				
Purlin (2)				
Pythagorean Theorem				
Quarter-sawed				
R Factor				
Radiation				
Rafter Seat				
Rail (1)				

	<i>Objective</i>	<i>Frustration</i>	<i>Instructional</i>	<i>Independent</i>
Rail (2)				
Rake				
Rebar <u>Short for reinforcing bar</u>				
Regular Rafter				
Return				
Reveal				
Ribband				
Ridgeboard				
Rise (1)				
Rise (2)				
Riser				
Rose				
Rout				
Run (1)				
Run (2)				
Saddle				
Scale (1)				
Scale (2)				
Scarf				
Schedule				
Schematic				
Screed				
Section				
Selvage				
Setback				
Shake				
Shiplap				
Shortening Line				
Shutters				
Sidelight				
Sill				

*Objective*  
*Frustration*  
*Instructional*  
*Independent*

Single-cheek Cut				
Single-coursing				
Sleepers				
Slope (1)				
Slope (2)				
Solid Bridging				
Spaced Beam				
Spacer				
Splashboard				
Splice				
Splice Plate				
Split				
Spreader				
Stack Wall				
Standards				
Station Mark				
S.T.C.				
Stickers				
Stile				
Strike Plate				
Stringer				
Subflooring				
Subrail				
Swaged				
Tab				
Tail				
Tail Joist				
Thickened Edge				
Toe Kick				
Trestle				
Trimmer				

*Objective*

*Frustration*

*Instructional*

*Independent*

	<i>Objective</i>	<i>Frustration</i>	<i>Instructional</i>	<i>Independent</i>
Truss				
Turned-down Slab				
Twist Warp				
Vapor Barrier				
Vertical-grained				
Walers				
Walking Steps				
Wane				
Warp				
Water Table (1)				
Water Table (2)				
Web				
Winder				
Zoning				

Vocational  
Curriculum Assessment Inventory

Shop: Carpentry

Student Name: \_\_\_\_\_

Objective: Specific knowledge to be learned in order to perform occupational skills.

Exposure: Step by step demonstration has been presented by teacher or tutor through a sequential and developmental process.

Training: Performs entire task with direct assistance. Prompting is needed.

Production: The learner has been able to complete this task independently; however, he still lacks the speed and level of accuracy to be considered employable.

Employable: The learner is able to complete the task at a "normal rate" without error and independently for at least five consecutive trials.

✓ indicates that student has achieved this goal

✗ indicates that student is working on this objective

Carpentry Tasks		Objective	Exposure	Training	Production	Employable
Framing & Sheathing	Build a sawhorse					
	Install backing for hanging fixtures and cabinets					
	Install bridging between joists					
	Install diagonal bracing					
	Install fire stops					
	Lay subfloors					
	Install wall sheathing					
	Install roof sheathing					
	Install shingles					

*Objective*  
*Exposure*  
*Training*  
*Production*  
*Employable*

Exterior  
Finish

Install asbestos siding					
Install aluminum siding					
Install windows					
Install door frames					
Install prefabricated storm door & windows					
Install exterior trim					

Interior  
Finish

Install rock lath					
Install metal lath					
Install plaster grounds					
Cut & install dry wall					
Finish joints & nailheads on dry wall					
Install furring strips					
Assist. in installing paneling					
Install strip flooring					
Install block flooring					
Install ceiling tile					
Joint stock with jointer					
Cut irregular shaped pattern					
Rip plywood with portable saws					
Install insulation					

Interior  
Trim

Install base mold					
Install closet trim & shelving					
Install door & window trim					
Install window & door hardware					
Assist with installing cabinets					

Interior Trim (cont'd)

	<i>Objective</i>	<i>Exposure</i>	<i>Training</i>	<i>Production</i>	<i>Employable</i>
Drill holes using portable electric drill					
Sand edges & surfaces with belt & finishing sanders					
Mold straight & curved edges using a router					
Grouting tile					
Install resilient tile					

Vocational  
Curriculum Assessment Inventory

Shop: Carpentry

Student Name: \_\_\_\_\_

Objective: Specific knowledge to be learned in order to perform occupational skills.

Exposure: Step by step demonstration has been presented by teacher or tutor through a sequential and developmental process.

Training: Performs entire task with direct assistance. Prompting is needed.

Production: The learner has been able to complete this task independently; however, he still lacks the speed and level of accuracy to be considered employable.

Employable: The learner is able to complete the task at a "normal rate" without error and independently for at least five consecutive trials.

✓ indicates that student has achieved this goal

✗ indicates that student is working on this objective

Carpentry Safety Tasks		Objective	Exposure	Training	Production	Employable
Personal Safety Rules	Wear shop clothing appropriate to instructional activity being performed					
	Confine long hair before operating rotating equipment					
	Always wear safety glasses; use suitable helmets & goggles for welding					
	Remove ties when working around machine tools or rotating equipment					



*Objective*  
*Exposure*  
*Training*  
*Production*  
*Employee's*

Personal Safety Rules (cont'd)

Remove rings & other jewelry when working in shop					
Conduct yourself in a manner conducive to safe shop practices					
Use soap & water frequently as a method of preventing skin diseases					
-----					
Keep all hand tools sharp, clean and in safe working order					
Report any defective tools, machines or other equipment to instructor					
Retain all guards & safety devices except with the specific authorization of instructor					
Operate a hazardous machine only after receiving instruction on how to operate machine safely					
Report all accidents to instructor regardless of nature or severity					
Operator turns off power & makes certain machine has stopped running before leaving					
Make sure all guards & barriers are in place & adjusted properly before starting a machine tool					
Disconnect power from machine tools before performing maintenance task of oiling or cleaning					
Use a solvent only after determining its properties, what kind of work it has to do and how to use it					
Use correct, properly fitting wrenches for nuts, bolts and objects to be turned or held					

Shop Safety Rules

	<i>Objective</i>	<i>Exposure</i>	<i>Training</i>	<i>Production</i>	<i>Employable</i>	
Shop Safety Rules (cont'd)	Keep shop or laboratory floor clear of scraps & litter					
	Clean up any spilled liquids immediately					
	Oily rags or oily waste should be stored in metal containers					
	Clean chips from a machine with a brush-not with a rag or bare hands					
	Do not use compressed air to clean your person or clothing					
	Use only approved scaffolding					
-----						
Methods for Orderly Shop	Arrange machinery & equipment to permit safe, efficient work practices & ease in cleaning					
	Stack materials & supplies safely or store in proper place					
	Store tools & accessories safely in cabinets, on racks or in other suitable devices					
	Clear working areas & work benches of debris & other hazards					
	Clean & free floors from obstructions & slippery substances					
	Free aisles, traffic areas & exits of materials & other debris					
	Dispose of combustible materials properly or store in approved containers					
	Store oily rags in self-closing or spring-lid metal containers					
	Know proper procedures to follow in keeping work area clean & orderly					
	Keep sufficient brooms, brushes & other housekeeping equipment readily available					
	-----					

Vocational/Special Education  
Curriculum Planning Form

Student's Name \_\_\_\_\_

Recommended Occupational Area \_\_\_\_\_

Agreement of Shop Instructor                
Yes No

Agreement of Special Education Instructor                
Yes No

Immediate Vocational and Safety Tasks to be Accomplished:  
Vocational Instructor

Immediate Mathematics and Vocabulary Tasks to be Accomplished:  
Special Education Instructor

Needed Materials (Vocational/Special Education Instructors):

Special Facilities (Vocational/Special Education Instructors):

Needed Aids (Vocational/Special Education Instructors):

Time Needed to Complete Tasks (Vocational/Special Education Instructors):

Needed Ability Level of Students (Vocational/Special Education Instructors):

Vocational Instructor \_\_\_\_\_

Signature

Special Education Instructor \_\_\_\_\_

Signature

I.E.P.

Student's Name \_\_\_\_\_ Grade/Program \_\_\_\_\_

Birth Date \_\_\_\_\_ Teacher (s) \_\_\_\_\_

Present Date \_\_\_\_\_ School \_\_\_\_\_

<u>Primary Assignment(s)</u>	<u>Date Started</u>	<u>Expected Duration of Services</u>	<u>Special Media or Materials</u>
_____	_____	_____	_____
_____	_____	_____	_____

Reason for Assignment(s): \_\_\_\_\_

<u>Services</u>			
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Dates for review and/or revision of the Individualized Education Program Plan:  
\_\_\_\_\_

Personal responsible for the maintenance and implementation of the Individualized Education Program Plan: \_\_\_\_\_ 5



Vocational/Special Education

IEP

Planner

Vocational Area: Food Service

Special Education  
Curriculum Assessment Inventory

Shop: Food Service

Subject Area: Mathematics

Student Name: \_\_\_\_\_

Ed Objective: Specific knowledge to be learned in order to perform occupational skills.

Frustration Level: Inability to acquire specific knowledge pertinent to occupation area introduced.

Instructional Level: Ability to perform objective under the guidance of the instructor (training level).

Independent Level: Can transfer knowledge to related situations with independence and proficiency (production level).

✓ indicates that student has achieved this goal

✗ indicates that student is working on this objective

Food Service Mathematics

Basic Skills

	<i>Objective</i>	<i>Frustration</i>	<i>Instructional</i>	<i>Independent</i>
Solve math problems involving addition				
Solve math problems involving subtraction				
Solve math problems involving multiplication				
Solve math problems involving division				
Write recipes and/or food formulas				
Tabulate bills				
Tabulate sales tax				
Know money values				
Make change for customers				

*Objective*  
*Frustration*  
*Instructional*  
*Independent*

	<i>Objective</i>	<i>Frustration</i>	<i>Instructional</i>	<i>Independent</i>
Patron Control Cost	Calculate cost per serving			
	Knowledge of menu pricing			
	Item cost purchasing			
	Calculating food amount for serving			
	Determining can size per serving			
	Determining gratuity from customer's check			
-----				
Business Taxes	Calculate federal withholding tax			
	Calculate federal income tax			
	Calculate state income tax			
	Calculate social security			
-----				
Measuring	Convert gallons, quarts, pints			
	Convert ounces, pounds			
	Measure teaspoons, tablespoons			
	Estimate weights of dipper sizes			
	Determine weights of can sizes			
	Know symbols for 1/4, 1/2, 2/3 & 3/4			
	Know ladle size			
-----				





Special Education  
Curriculum Assessment Inventory

Shop: Food Service

Subject Area: Vocabulary

Student Name: \_\_\_\_\_

Ed Objective: Specific knowledge to be learned in order to perform occupational skills.

Frustration Level: Inability to acquire specific knowledge pertinent to occupation area introduced.

Instructional Level: Ability to perform objectives under the guidance of the instructor (training level).

Independent Level: Can transfer knowledge to related situations with independence and proficiency (production level).

✓ indicates that student has achieved this goal

✗ indicates that student is working on this objective

Food Service Vocabulary

	<i>Objective</i>	<i>Frustration</i>	<i>Instructional</i>	<i>Independent</i>
Aging				
A La Carte				
A La Mode				
Al Dente				
Ambrosia				
Antipasto				
Aspic				
Au or Aux				
Au Gratin				
Au Jus				
Baked Alaska				
Baste				

*Objective*

*Frustration*

*Instructional*

*Independent*

Bechamel				
Breading				
Buffet				
Canape				
Carte Du Jour				
Cavair				
Chef				
Chives				
Chop				
Coat				
Cobbler				
Consomme				
Crepe				
Cube				
Cuisine				
Cut In				
Deglaze				
Demiglace				
Heifer				
Jus				
Knead				
Leek				
Legumes				
Lyonnaise				
Mayonnaise				
Menu				
Meringue				
Mignon				
Minced				
Mirepoix				
O' Brien				

*Objective*

*Frustration*

*Instructional*

*Independent*

	<i>Objective</i>	<i>Frustration</i>	<i>Instructional</i>	<i>Independent</i>
Poach				
Puree				
Reduce				
Roe				
Roux				
Saffron				
Saute				
Scald				
Score				
Sear				
Sift				
Simmer				
Sole				
Stock				
Truffle				
Veloute				
Vichyssoise				
White Wash				
Whip				

Vocational Curriculum Assessment Inventory

Shop: Food Service

Student Name: \_\_\_\_\_

Objective: Specific knowledge to be learned in order to perform occupational skills.

Exposure: Step by step demonstration has been presented by teacher or tutor through a sequential and developmental process.

Training: Performs entire task with direct assistance. Prompting is needed.

Production: The learner has been able to complete this task independently; however, he still lacks the speed and level of accuracy to be considered employable.

Employable: The learner is able to complete the task at a "normal rate" without error and independently for at least five consecutive trials.

- ✓ indicates that student has achieved this goal
- ✗ indicates that student is working on this objective

Food Service Tasks		Objective	Exposure	Training	Production	Employable
Waitress/Waiter	Takes orders correctly					
	Adjusts temperature					
	Checks shortening & cleans fryer					
	Selects food, egg wash or other types of frying mixes					
	Orders supplies					
	Cleans up greasy spots promptly					
	House cleaning					
	Breading					

Waitress/  
Waiter  
(cont'd)

*Objective*  
*Exposure*  
*Training*  
*Production*  
*Employable*

Seasoning					
Reads recipes					
Check cooking time					

Sandwich Preparation

Reading recipes					
Prepare fillings					
The use of lettuce					
The use of a knife in cutting					
Bread and useage for canapes and hors d'oeuvres					
Refrigeration & storage					
Spoon or scoop for portion control					
Types of sandwich					
Specifies and orders supplies					
General house cleaning					

Cook's Helper

Checks & reads recipes					
Mincing, chopping, slicing, dicing					
Tests temperatures					
Selects meat					
Cleans areas of work (house-cleaning)					
Use and care of equipment					
General cooking rules & methods					
Selects meats, vegetables & other types of food					
Operate equipment					
Cutting and carving					
Personal ethics					

	<i>Objective</i>	<i>Exposure</i>	<i>Training</i>	<i>Production</i>	<i>Employable</i>
Baker's Helper	Reading dough formulas				
	The ingredients in dough and their reaction during mixing, proofing and baking				
	Scale all ingredients correctly, proofing and baking				
	Mix to develop dough				
	Knead the dough				
	Proof the dough				
	Makeup into desired shapes & sizes				
	Make at required temperatures				
	Do not over proof the dough				
	Maintains & cleans work area				
-----					
Generic Tasks	Reads recipes				
	Ready equipment to be used				
	Uses small hand tools				
	Mincing, chopping, dicing & slicing				
	Cooking vegetables				
	Cleaning vegetables				
	Sanitation & safety				
	Flouring & blending				
	Checks time allowed				
	Care of equipment & general house cleaning				
-----					

Vocational Curriculum Assessment Inventory

Shop: Food Service

Student Name: \_\_\_\_\_

Objective: Specific knowledge to be learned in order to perform occupational skills.

Exposure: Step by step demonstration has been presented by teacher or tutor through a sequential and developmental process.

Training: Performs entire task with direct assistance. Prompting is needed.

Production: The learner has been able to complete this task independently; however, he still lacks the speed and level of accuracy to be considered employable.

Employable: The learner is able to complete the task at a "normal rate" without error and independently for at least five consecutive trials.

- ✓ indicates that student has achieved this goal
- ✗ indicates that student is working on this objective

Food Service Safety  
(Edited from National Safety Council on Food Preparation)

	<i>Objective</i>	<i>Exposure</i>	<i>Training</i>	<i>Production</i>	<i>Employable</i>
Preparation	Use dry towels when handling hot skillets				
	Avoid splashing grease on top of range				
	Remove lids of pots slowly				
	Always give notice of "HOT FOOD" when moving a hot container from one place to the other				
	Keep towels used for handling hot foods off the range				

*Objective*  
*Exposure*  
*Training*  
*Production*  
*Employable*

Preparation (cont'd)

Avoid over-filling hot food containers					
Never let long handles of sauce pans or skillets extend into aisles					
Never turn the handle of any pot toward the fire					
Get help in lifting or moving any heavy pots or containers					
Place a lighted match to gas jets before turning on the gas					
Know the location of fire extinguishers					
When placing food in hot grease, always let the item slide <u>away</u> from you					
Keep work station clean at all times					
At all times have your attention focused on the job at hand					
Never have glass near any food					
Never throw any objects in the kitchen					
Treat injuries immediately					

Hand Equipment

Use the right knife for the job					
Do not grab for falling knives					
Always carry a knife with the tip pointing downward & with the cutting edge turned away from body					
Never talk with a knife in your hand					
Always cut away from body					
Never place a knife in hot water					
Use a cutting board at all times					



	<i>Objective</i>	<i>Exposure</i>	<i>Training</i>	<i>Production</i>	<i>Employable</i>
Hand Equipment (cont'd)	Knives should never be placed in drawers				
	When cleaning or wiping a knife, keep the sharp edge turned away from body				
	Always use a sharp knife				
	Use knives for the purpose for which they were designed				
	Pick up knives by the handle only. Take a firm grip on a knife handle				
	When slicing round objects, cut a flat base				
	Never force a meat saw				
	When using a cleaver, be sure the item to be chopped is setting solidly				
When grating foods, never work the foods too close to the cutting surface					
-----					
Stationary Equipment	Use a wooden stomper when feeding meat				
	Before cleaning or adjusting any machine, be sure all electrical switches are in the "OFF" position & pull the plug				
	Do not wear rings, wrist watch or a tie when operating electrical power equipment				
	Never start a machine until you are sure all parts are in their proper places				
	All electrical stationary equipment should be grounded				
	Keeps hands to the front of the revolving bowl when operating the food cutter				

Stationary  
Equipment  
(cont'd)

Never operate any machine unless you have been trained to use it properly

When using electrical power equipment, always follow manufacturer's instructions and recommendations

*Objective**Exposure**Training**Production**Employable*

-----

Wear proper shoes

Wear long sleeves that cling tightly to the arms

Never wear loose fitting clothing

Wear aprons at knee length

Tuck in all apron strings

Wear the recommended headgear

-----

Discard any chipped or cracked china & glassware

Never use glassware in forming or preparing food

Never force a towel inside a glass to dry it

Never clean up broken china or glassware with the hands

Never place glassware in soapy water

When carrying china & glassware from one place to another, be alert & move cautiously

-----

Floors

When turning on anything electrical, do not stand on a wet floor

If anything is spilled on the floor, clean it up immediately



Special Facilities (Vocational/Special Education Instructors):

Needed Aids (Vocational/Special Education Instructors):

Time Needed to Complete Tasks (Vocational/Special Education Instructors):

Needed Ability Level of Students (Vocational/Special Education Instructors):

Vocational Instructor

\_\_\_\_\_  
Signature

Special Education Instructor

\_\_\_\_\_  
Signature

I.E.P.

Student's Name \_\_\_\_\_ Grade/Program \_\_\_\_\_

Birth Date \_\_\_\_\_ Teacher(s) \_\_\_\_\_

Present Date \_\_\_\_\_ School \_\_\_\_\_

<u>Primary Assignment(s)</u>	<u>Date Started</u>	<u>Expected Duration of Services</u>	<u>Special Media or Materials</u>
_____	_____	_____	_____
_____	_____	_____	_____

Reason for Assignment(s): \_\_\_\_\_

<u>Services</u>	<u>Date Started</u>	<u>Expected Duration of Services</u>	<u>Special Media or Materials</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Dates for review and/or revision of the Individualized Education Program Plan:  
\_\_\_\_\_

Personal responsible for the maintenance and implementation of the Individualized Education Program Plan:

75



Appendix A  
Shop Tasks - Plumbing

Vocational Curriculum Assessment Inventory

Shop: Plumbing

Student Name: \_\_\_\_\_

- Objective: Specific knowledge to be learned in order to perform occupational skills.
- Exposure: Step by step demonstration has been presented by teacher or tutor through a sequential and developmental process.
- Training: Performs entire task with direct assistance. Prompting is needed.
- Production: The learner has been able to complete this task independently; however, he still lacks the speed and level of accuracy to be considered employable.
- Employable: The learner is able to complete the task at a "normal rate" without error and independently for at least five consecutive trials.

- ✓ indicates that student has achieved this goal
- ✗ indicates that student is working on this objective

Plumbing Tasks		Objective	Exposure	Training	Production	Employable
Training	Shop safety rules & regulations					
	Handling & recognition of plumbing hand tools					
	Reading the rule					
	Marking with a pencil, soapstone, chalk, scribe					
	Marking metal & pipe with a center punch					
	Marking with scribe or pencil along a straight edge					

*Objective*  
*Exposure*  
*Training*  
*Production*  
*Employable*

Training (cont'd)

Making a straight cut on sheet metal with aviation snips or tin shears					
Tighten and loosen nuts with a box end wrench					
Using a socket wrench with a ratchet					
Tighten and loosen nuts with an open end wrench					
Tighten and loosen fittings with a pipe wrench					
Using an open end pipe wrench					
Using a smooth jaw wrench					
Tightening & loosening screws with a screwdriver (flat & Phillips)					
Tightening & loosening fasteners with allen hex wrenches					
Holding & tightening with a channel rib lock pliers					
Driving nails with a hammer					
Pulling nails with a hammer					
Using a level for leveling					
Drilling holes in wood with an electric drill					
Drilling holes in piping with an electric drill					
Cutting to a line with a cross cut saw					
Using a basin wrench					
Chiseling across a grain					
Chiseling with a cold chisel					
Using and aligning with a drift pin					
Cutting with a hacksaw					





*Objective*  
*Exposure*  
*Training*  
*Production*  
*Employable*

	<i>Objective</i>	<i>Exposure</i>	<i>Training</i>	<i>Production</i>	<i>Employable</i>
Training (cont'd)	Adjusting & using an adjustable wrench				
	Using a soldering iron & cleaning same with sal ammoniac block				
	Using a tri-stand pipe vise				
	Lighting a torch				
	Shaping smooth surfaces with a file				
-----					
Pipes and Fittings	Recognition of various types of steel pipe				
	Recognition of various types of copper tubing				
	Sizing of piping (I.D. measurements)				
	Recognition of steel C.I. and malleable fittings				
	Recognition of copper fittings				
	Recognition of plastic piping & fittings				
	Measuring pipe in plumbing trade (C-C E-C E-E etc.)				
	Cutting steel piping by hand				
	Cutting copper tubing by hand				
	Reaming steel piping by hand				
Threading steel piping by hand					
-----					
Joining Pipe	Join steel pipe to plastic pipe				
	Join copper tubing pipe to copper tubing pipe				
	Join copper tubing to plastic pipe				
	Join copper tubing to steel pipe				

*Objective*  
*Exposure*  
*Training*  
*Production*  
*Employable*

Joining Pipe  
(cont'd)

Join copper tubing with flared connections					
Swage copper tubing pipe					
Join plastic pipe to plastic pipe					
Secure piping with hangers to wood surfaces					

Faucets & Valves

Disassemble & assemble gate valves					
Disassemble & assemble globe valves					
Disassemble & assemble stop & waste valves					
Disassemble & assemble a compression faucet					
Disassemble & assemble a single lever faucet					

Fixtures

Connect lavatory water supplies					
Connect lavatory trap (Ess-P-J bends)					
Install closet supply					
Install kitchen sink faucet					
Install sink basket strainers					
Connect water supplies to sink faucet					
Install sink trap (Kitchen-Ess-P-J bends)					
Install continuous waste drain (center or end outlet)					

		<i>Objective</i>	<i>Exposure</i>	<i>Training</i>	<i>Production</i>	<i>Employable</i>
Maintaining Plumbing Systems	Replace washers in valves & faucets					
	Replace a trap on a sink (Kitchen & lavatory)					
	Replace sink strainers on a sink (All types)					
-----						
Wiring	Stripping romex wiring					
	Place a connector on romex wire					
	Cutting electrical wire with cutters					
	Taping romex wire with friction tape					
	Connecting romex wire with wire nuts					
	Connect romex wire to junction box					
-----						
Maintaining Heat Systems	Replace oil cartridge in oil filter					
-----						