

**ASSESSMENT CYCLE PLAN
CENTRAL NEW MEXICO COMMUNITY COLLEGE**

Choose ONE of the following 3 areas for this assessment plan and insert the name of the general education area, certificate, degree or discipline on the appropriate line:

General Education Area (see definitions, indicate area on appropriate line)

AA/AS _____
AAS _____

Program (note program name on appropriate line)

Certificate _____
AAS _____ Plumbing and Gas Fitting AAS Degree
AA _____
AS _____

Discipline Area

(see definitions) _____

1

Provide a list of student learning outcomes for this area or program (you may add more lines if necessary by right clicking and choosing insert row below):

1	Identify and assess OSHA compliance safety programs for mechanical and plumbing industries.
2	Demonstrate proficiency in the basic performance skills required to assemble various types of piping/fittings and appurtenances commonly used in a plumbing system.
3	Demonstrate interpretation, communication and team skills to follow codes and manufacturer's requirements regarding installation of component parts within a plumbing system.
4	Perform mathematical computations for piping offsets, fitting allowances, area/volume and

	capacities. Use sizing tables, graphs and charts for various piping systems.
5	Identify, explain and describe plumbing trade technological advancements and responsibilities toward the protection of the public health, safety, and welfare.

2 Prepare the Preliminary Assessment Cycle for the above student learning outcomes and complete the following chart

Outcome #	When Measured	Where measured (i.e. what course(s))	Measurement tool(s) & Type of tool
1			
2			Written test/multiple choice
3			
4	spring 2012	1215 Plumbing Theory	Written test/multiple choice
5			

OUTCOME: Math for Plumbing Theory PLMB 1230

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STUDENTS

Percentage 91- 100	A	2	
Percentage 81- 90	B	2	—
Percentage 71- 80	C	4	—
Percentage 61- 70	D	1	—
Percentage 0- 60	F	4	—

Conclusion: 80% of students had taken similar evaluative test in PLMB 1305 Trades Math. Though a minimal improvement is depicted here, it strongly suggest the need for more introductory math. Since the basis for all plumbing math should be developed in the Trades Math I strongly suggest increasing PLMB 1305 from a 1 credit to a 2 credit offering.