

POS Perkins Statewide Articulation Agreement Documentation Coversheet

Student Name:									
Secondary School Name: Secondary School Address:									
CTE Program of Study: CIP # _____ CIP Program Name _____									
<div style="background-color: #e0f2f1; padding: 5px; text-align: center;"> _____ 1. CAREER AND TECHNICAL EDUCATION Technical Core Courses List Technical Core Courses only below: </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 15%; padding: 5px;">Grade 9</td> <td style="height: 40px;"></td> </tr> <tr> <td style="padding: 5px;">Grade 10</td> <td style="height: 40px;"></td> </tr> <tr> <td style="padding: 5px;">Grade 11</td> <td style="height: 40px;"></td> </tr> <tr> <td style="padding: 5px;">Grade 12</td> <td style="height: 40px;"></td> </tr> </table> <div style="background-color: #e0f2f1; padding: 5px; margin-top: 10px;"> Overall Grade Point Average Technical Core Courses: _____ / 4.0 Equate to GPA based on a 4.0 scale. </div> <div style="padding: 5px; margin-top: 10px;"> Send official transcript and a copy of student diploma to postsecondary institution where student is making application for admission. </div>	Grade 9		Grade 10		Grade 11		Grade 12		<div style="background-color: #e0f2f1; padding: 5px; text-align: center; margin-bottom: 10px;"> _____ 2. End of Program Assessment </div> <div style="padding: 5px; margin-bottom: 10px;"> Check the appropriate certificate earned by this student on the CIP end of program assessment. (attach) _____ Pennsylvania Skills Certificate (or) _____ Pennsylvania Certificate of Competency </div> <div style="background-color: #e0f2f1; padding: 5px; text-align: center; margin-bottom: 10px;"> _____ 3. Secondary Competency Task List signed by program instructor (attach) </div> <div style="background-color: #fff176; padding: 5px; text-align: center; margin-bottom: 10px;"> _____ 4. Industry Certification(s) if applicable, (attach) </div> <div style="padding: 5px;"> <p style="text-align: center;">Secondary School Representative (individual attesting to document verification)</p> <p>Signature: _____</p> <p>Print Name: _____</p> <p>Title: _____</p> <p>Date : _____</p> </div>
Grade 9									
Grade 10									
Grade 11									
Grade 12									



Perkins Statewide Articulation Agreement

Documentation item: Secondary Competency Task List Coversheet

The Secondary School agrees to:

- A. Implement the approved PDE Program(s) of Study.
- B. Provide assessment of student competencies based upon performance standards as prescribed by the approved PDE Program of Study.
- C. Furnish documentation necessary to the Postsecondary Institution upon a student's written request. Documents should be student specific and should verify that the student meets all secondary requirements of the approved PDE Program of Study.
- D. Provide documentation to the postsecondary institution that must include each of the following items, if applicable
 - High School Diploma;
 - Official Student Transcript;
 - **Secondary Competency Task List with the signature of a secondary school technical instructor;**
 - PA Certificate of Competency or PA Skills Certificate in technical program area and
 - Industry certifications earned

Student Specific Documentation: Secondary Competency Task List

The following student qualifying for articulated credit under the Perkins Statewide Articulation Agreement has achieved proficiency on all of the approved PDE Program of Study Secondary Competency Task List items. Secondary Competency Task List is attached.

Student Name: _____

Program of Study Name: _____

Program of Study CIP number: _____

Instructor's signature: _____

Instructor's Name (Print): _____

School Name: _____

School Mailing Address: _____

School telephone number: _____

Unit/Standard Number	High School Graduation Years 2020, 2021 and 2022		Proficiency Level Achieved: (X) Indicates Competency Achieved to Industry Proficiency Level
	Plumbing Technology/Plumber CIP 46.0503 Task Grid		
	Secondary Competency Task List		
100	SAFETY		
101	RESERVED		
102	RESERVED		
103	RESERVED		
104	RESERVED		
105	RESERVED		
106	RESERVED		
107	RESERVED		
108	RESERVED		
109	RESERVED		
110	RESERVED		
111	RESERVED		
112	RESERVED		
113	Follow OSHA safety standards as it relates to the industry.		
200	RESERVED		
201	RESERVED		
202	RESERVED		
203	RESERVED		
300	BLUEPRINTS AND SKETCHING OF PIPE SYSTEMS		
301	Interpret types of drawings.		
302	Interpret various lines used on drawings.		
303	Interpret specifications, and dimensions.		
304	RESERVED		
305	Interpret piping systems according to color-coding.		
400	PIPE SPECIFICATIONS AND SYSTEMS		
401	Install pipe and connections according to manufactures' specifications.		
402	Follow plumbing standards, codes and specifications.		
403	RESERVED		
404	RESERVED		
405	Explain the effects and corrective measures for thermal expansion in piping system.		
406	Install various types of pipe insulation.		

Unit/Standard Number	High School Graduation Years 2020, 2021 and 2022		Proficiency Level Achieved: (X) Indicates Competency Achieved to Industry Proficiency Level
	Plumbing Technology/Plumber CIP 46.0503 Task Grid		
407	RESERVED		
500	HAND AND POWER TOOLS		
501	Use and maintain hand tools.		
502	Use and maintain power tools and equipment.		
503	Explain laser or transit level for site work.		
600	VALVES		
601	Use backflow prevention devices		
602	Use types of valves that start and stop flow.		
603	Use valves that regulate flow.		
604	Use valves that relieve pressure.		
605	Select valves.		
606	Disassemble and assemble various types of valves (such as gate valve, globe valve, and flushometer).		
700	COPPER PIPING OPERATIONS		
701	Join, cut and bend various types of copper pipe tube: solder, compression, flare, swage, press fit, brazing.		
702	RESERVED		
703	RESERVED		
704	RESERVED		
800	PLASTIC PIPE AND TUBING		
801	Measure , cut and assemble PVC, CPVC, and ABS.		
802	Measure, cut and assemble PEX plastic tubing and PE and HDPE.		
803	RESERVED		
804	RESERVED		
900	PIPE HANGERS AND SUPPORTS		
901	Use hangers to secure horizontal and vertical pipe to masonry, metal and wood.		
902	Layout and explain, various fixture carriers fixture.		
1000	WATER DISTRIBUTION LINES		
1001	RESERVED		
1002	Rough-in water supply lines for residential and commercial fixtures, according to manufacturer sheet.		
1003	RESERVED		

Unit/Standard Number	High School Graduation Years 2020, 2021 and 2022	Proficiency Level Achieved: (X) Indicates Competency Achieved to Industry Proficiency Level
	Plumbing Technology/Plumber CIP 46.0503 Task Grid	
1100	STEEL PIPE OPERATIONS	
1101	Thread steel pipe with an adjustable die, power threading machine, non-adjustable die.	
1102	Measure, cut, ream and assemble various types of steel piping.	
1103	Adapt steel pipe to other piping materials.	
1200	CAST IRON PIPE OPERATIONS	
1201	Use tools for working with cast iron pipe.	
1202	Measure and cut cast iron soil pipe with various cutting methods.	
1203	Assemble cast iron with No Hub, Fernco and Rubber Gasketed Joints.	
1300	RESERVED	
1301	RESERVED	
1302	RESERVED	
1400	DRAINS, STACKS AND SEWERS	
1401	Lay out and establish grade/slope for drain lines.	
1402	Explain backwater prevention.	
1403	RESERVED	
1404	RESERVED	
1405	Rough-in drain lines for residential and commercial fixtures, according to manufacturer sheet.	
1500	FIXTURES	
1501	Install gravity, pressure assist and flush valve type water closets.	
1502	Install bathtubs.	
1503	Install wall mounted fixtures.	
1504	RESERVED	
1505	Install kitchen sinks.	
1506	Install prefabricated shower base drains.	
1507	Install lavatories.	
1508	RESERVED	
1509	Install fixture traps.	
1600	APPLIANCES	
1601	Install a dishwasher.	

Unit/Standard Number	High School Graduation Years 2020, 2021 and 2022		Proficiency Level Achieved: (X) Indicates Competency Achieved to Industry Proficiency Level
	Plumbing Technology/Plumber CIP 46.0503 Task Grid		
1602	Install electric and gas water heater.		
1603	RESERVED		
1604	Install a clothes washing machine.		
1605	Install water heaters (for example, oil, tankless, indirect, or heat pump).		
1606	Install a water re-circulating pump.		
1607	Install garbage disposal unit.		
1608	Install sump pump.		
1609	Install a sewerage pump.		
1700	VENTS		
1701	Explain principle's and purpose's of venting (for example common, individual and wet vent).		
1702	RESERVED		
1703	Explain vent termination.		
1704	Explain air admittance valves.		
1800	PLUMBING SYSTEMS MAINTANCE		
1801	Clear obstructions from lavatory drains.		
1802	Clear obstructions from main drain lines.		
1803	Clear obstructions from water closets		
1804	Repair/replace leaking water faucets or valves.		
1805	RESERVED		
1806	RESERVED		
1807	RESERVED		
1808	Perfrom methods to thaw frozen pipes.		
1809	RESERVED		
1810	RESERVED		
1811	Replace all components in a gravity and/or pressure assist tank.		
1900	TESTS ON SYSTEMS		
1901	RESERVED		
1902	RESERVED		
1903	RESERVED		
1904	Perform tests according to local plumbing and mechanical codes (air, hydrostatic, head pressure etc.)		
2000	ADVANCED PIPE FABRICATION		

Unit/Standard Number	High School Graduation Years 2020, 2021 and 2022		Proficiency Level Achieved: (X) Indicates Competency Achieved to Industry Proficiency Level
	Plumbing Technology/Plumber CIP 46.0503 Task Grid		
2001	Calculate simple piping offsets.		
2002	Calculate three-line, 45° equal-spread offsets around a vessel.		
2003	Calculate three-line, 45° unequal-spread offsets.		
2004	Convert center, back throat, and/or face measurement to an end measurement.		
2100	PRESSURE BOILERS		
2101	Explain various near boiler fittings, controls and accessories.		
2102	Explain various types of boilers and fuel sources.		
2103	RESERVED		
2104	RESERVED		
2105	RESERVED		
2106	Explain the operation of water and steam boilers and its their various controls.		
2107	Explain the operation of the draft controls.		
2108	RESERVED		
2200	HYDRONIC HEATING SYSTEM		
2201	Identify piping for a hydronic heating systems.		
2202	Identify a primary and secondary piping system.		
2203	Identify a radiant system.		
2300	LADDERS AND SCAFFOLDS		
2301	Use different types of ladders and scaffolds.		
2302	Set up and inspect, stepladders, extension ladders, and scaffolding.		