

HS Name: Community College Name: CTE Program of Study:	Benson Polytechnic High School Portland Community College Automotive										
Date:	2014/2015										
Skill Set Crosswalk for Cluster Area Auto & Heavy Equip Technology http://www.ode.state.or.us/apps/oss/default.aspx?cla=311&c=1500	<i>automotive-1</i>	<i>automotive-2</i>	<i>automotive-3</i>	<i>automotive-4</i>	<i>AM 100</i>	<i>AM 111</i>	<i>AM 131</i>	<i>AM 121</i>	<i>AM 132</i>	<i>AM 151</i>	<i>AM 141</i>
Code & # Standard											
AHT01.01 - Use Mathematics in the service and repair of automobiles or heavy equipment.	x	✘	x	✘	✘	✘	x	✘	x	x	x
AHT01.02 - Understand the application of the principles of science used in modern automobiles or heavy equipment.			x		✘	✘	x	✘	x	x	x
AHT02.01 - Use communication skills to service and repair automobiles or heavy equipment.	x	✘	x	✘	✘	✘	x	x	x	x	x
AHT02.02 - Identify and use sources of service information used in the service and repair of automobiles or heavy equipment.			✘	✘	✘	✘	x	x	✘	x	x
AHT02.03 - Use vehicle identification information in the service and repair of automobiles or heavy equipment.		✘	x	✘	✘	✘	✘	x	✘	x	x
AHT03.01 - Use problem solving and critical thinking skills when diagnosing, servicing, and repairing automobiles or heavy equipment.	x	✘	x	x	✘	✘	x	x	x	x	x
AHT04.01 - Use information technology (IT) resources for the repair and service of automobiles or heavy equipment.			x	✘	✘	✘	✘	x	x	x	x
AHT05.01 - Describe the concept of multiple components connected and operating in a system.			x	✘		✘	x	✘	x	x	x
AHT05.02 - Describe the design and operation of the systems and subsystems in modern automobiles or heavy equipment.			x	x		x	x	x	x	x	x
AHT06.01 - Develop and practice safe working habits while servicing and repairing automobiles or heavy equipment.	x	x	x	x	x	x	x	x	x	x	x
AHT06.02 - Develop and practice EPA (Environmental Protection Agency) acceptable practices when dealing with hazardous and nonhazardous wastes in the service and repair of automobiles or heavy equipment.			x	x	x	x	x	x	x	x	x
AHT07.01 - Practice leadership traits and habits in the workplace.	x	x	x	x	x	x	x	x	x	x	x
AHT07.02 - Demonstrate teamwork in the service and repair of automobiles or heavy equipment.	x	x	x	✘	x	x	x	x	x	x	x

AHT08.01 - Understand and practice ethical work habits when working with customers, managers, and peers in the service and repair of automobiles or heavy equipment.			x	x	x	x	x	x	x	x	x
AHT08.02 - Follow legal responsibilities when working with safety systems on automobiles or heavy equipment.			x	x	x	x	x	x	x	x	x
AHT08.03 - Understand legal driving requirements in the repair and service of automobiles or heavy equipment.				x	x	x	x	x	x	x	x
AHT08.04 - Understand the liability issues related to repairs made to customer's automobiles or heavy equipment.				x	x						
AHT09.01 - Develop materials and practice the skills necessary for successful employment interviews.				x							
AHT09.02 - Describe various workplace characteristics of automotive or heavy equipment related career areas.			x	x	x						
AHT09.03 - Describe potential career advancement opportunities for automotive or heavy equipment careers.	x	x	x	x							
AHT10.01 - Demonstrate the safe and proper use of tools needed for the service and repair of automobiles or heavy equipment.	x	x	x	x	x	x	x	x	x	x	x
AHT10.02 - Practice professionalism with customers' vehicles or equipment during the service of automobiles or heavy equipment.			x	x	x		x	x	x	x	x
AHT11.01 - Identify the different payment systems for employee pay and customer billing in the service and repair of automobiles or heavy equipment.					x			x	x		x
AHT11.02 - Analyze tool costs related to the service and repair of automobiles or heavy equipment.					x						
					AM 100	AM 111	AM 131 Introduction to Automotive	AM 121 Engine Repair	AM 132 Drivetrain Systems I	AM 151 Drivetrain Systems II	AM 141 Drivetrain Systems III

x	x	x	x	x	x	x	x	x	x	x		
x	x	x	x	x	x	x	x	x	x	x		
x	x	x	x	x	x	x	x	x	x	x		
								x	x	x		
								x	x	x		
x	x	x	x	x	x	x	x	x	x	x		
x			x	x				x	x	x		
x			x	x				x	x	x		
AM 142	AM 161	AM 162	AM 163	AM 171	AM 181	AM 182	AM 183	AM 201	AM 202	AM 203		
Undercar Systems I	Undercar Systems II	Undercar Systems III	Electrical Systems I	Electrical Systems II	Electrical Systems III	Heating and Air Conditioning	Engine Performance I	Engine Performance II	Engine Performance III	Auto Shop Lab I	Auto Shop Lab II	Auto Shop Lab III

AHTA12.05 - Perform specialized skills and determine necessary actions needed in the manual drive train and axles area of automotive service and repair.						x	x													x	
AHTA12.10 - Perform specialized skills and determine necessary actions needed in the engine repair area of automotive service and repair.					x																x
				Intro duction to Autom otive	Engine Repair	Drivetr ain System s I	Drivetr ain System s II	Drivetr ain System s III	Underc ar System s I	Underc ar System s II	Underc ar System s III	Electric al System s I	Electric al System s II	Electric al System s III	Heatin g and Air Condi oning	Engine Perform ance I	Engine Perform ance II	Engine Perform ance III	Auto Shop Lab I		

x	x
x	x
Auto Shop Lab II	Auto Shop Lab III