

HS Name: Tigard HS  
 Community College Name:  
 CTE Program of Study:

Tigard High School  
 Portland Community College  
 Transportation Technology

Date:

June-11

**Skill Set Crosswalk for Cluster Area Auto & Heavy Equip Technology**

<http://www.ode.state.or.us/apps/oss/default.aspx?cbw=311&c=1500>

Code & # Standard

AHT01.01 - Use Mathematics in the service and repair of automobiles or heavy equipment.  
 AHT01.02 - Understand the application of the principles of science used in modern automobiles or heavy equipment.  
 AHT02.01 - Use communication skills to service and repair automobiles or heavy equipment.  
 AHT02.02 - Identify and use sources of service information used in the service and repair of automobiles or heavy equipment.  
 AHT02.03 - Use vehicle identification information in the service and repair of automobiles or heavy equipment.  
 AHT03.01 - Use problem solving and critical thinking skills when diagnosing, servicing, and repairing automobiles or heavy equipment.  
 AHT04.01 - Use information technology (IT) resources for the repair and service of automobiles or heavy equipment.  
 AHT05.01 - Describe the concept of multiple components connected and operating in a system.  
 AHT05.02 - Describe the design and operation of the systems and subsystems in modern automobiles or heavy equipment.  
 AHT06.01 - Develop and practice safe working habits while servicing and repairing automobiles or heavy equipment.  
 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.  
 AHT07.01 - Practice leadership traits and habits in the workplace.  
 AHT07.02 - Demonstrate teamwork in the service and repair of automobiles or heavy equipment.  
 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.  
 AHT08.02 - Follow legal responsibilities when working with safety systems on automobiles or heavy equipment.  
 AHT08.03 - Understand legal driving requirements in the repair and service of automobiles or heavy equipment.  
 AHT08.04 - Understand the liability issues related to repairs made to customer's automobiles or heavy equipment.  
 AHT09.01 - Develop materials and practice the skills necessary for successful employment interviews.  
 AHT09.02 - Describe various workplace characteristics of automotive or heavy equipment related career areas.  
 AHT09.03 - Describe potential career advancement opportunities for automotive or heavy equipment careers.  
 AHT10.01 - Demonstrate the safe and proper use of tools needed for the service and repair of automobiles or heavy equipment.  
 AHT10.02 - Practice professionalism with customers' vehicles or equipment during the service of automobiles or heavy equipment.  
 AHT11.01 - Identify the different payment systems for employee pay and customer billing in the service and repair of automobiles or heavy equipment.  
 AHT11.02 - Analyze tool costs related to the service and repair of automobiles or heavy equipment.

	auto1	auto2	autobody	eng part.	powertrain	adv. Auto Appl.	AM 100	AM 111	AM 131	AM 121	AM 132	AM 151	AM 141	AM 142	AM 161	AM 162	AM 163	AM 171	AM 181	AM 182	AM 183	AM 201	AM 202	AM 203	
	Introduction to Automotive	Engine Repair	Drivetrain Systems I	Drivetrain Systems II	Drivetrain Systems III	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							
AHT01.01 - Use Mathematics in the service and repair of automobiles or heavy equipment.	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
AHT01.02 - Understand the application of the principles of science used in modern automobiles or heavy equipment.	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
AHT02.01 - Use communication skills to service and repair automobiles or heavy equipment.	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
AHT02.02 - Identify and use sources of service information used in the service and repair of automobiles or heavy equipment.	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
AHT02.03 - Use vehicle identification information in the service and repair of automobiles or heavy equipment.	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
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	X	X	X	X	X	X	X	X	X	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	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
AHT05.01 - Describe the concept of multiple components connected and operating in a system.	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
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	X	X	X	X	X	X	X	X	X	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	X	X	X	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	X	X	X	X	X	X	X	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	X	X	X	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	X	X	X	X	X	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	X	X	X	X	X	X	X	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	X	X	X	X	X	X	X	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	X	X	X	X	X	X	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	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
AHT09.01 - Develop materials and practice the skills necessary for successful employment interviews.			X	X	X	X																	X	X	X
AHT09.02 - Describe various workplace characteristics of automotive or heavy equipment related career areas.	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
AHT09.03 - Describe potential career advancement opportunities for automotive or heavy equipment careers.	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
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	X	X	X	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	X	X	X	X	X	X	X	X	X	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	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
AHT11.02 - Analyze tool costs related to the service and repair of automobiles or heavy equipment.	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

10/5/2010

June-11

Introduction to Automotive   Engine Repair   Drivetrain System I   Drivetrain System II   Drivetrain System III   Undercar System I   Undercar System II   Undercar System III   Electrical System I   Electrical System II   Electrical System 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

**Skill Set Crosswalk for Auto Service Tech Focus Area**

Code # and Standard

AHTA10.03 - Perform Lube, Oil, and Filter (LOF) and preventive maintenance needed for entry-level employment of the automobile service and repair field.

AHTA10.04 - Perform skills and determine necessary actions needed in the automatic transmission area of automotive service and repair.

AHTA10.05 - Perform skills and determine necessary actions needed in the manual drive train and axles area of automotive service and repair.

AHTA10.06 - Perform skills and determine necessary actions needed in the suspension and steering area of automotive service and repair.

AHTA10.07 - Perform skills and determine necessary actions needed in the brakes area of automotive service and repair.

AHTA10.08 - Perform skills and determine necessary actions needed in the electrical/electronic systems area of automotive service and repair.

AHTA10.09 - Perform skills and determine necessary actions needed in the engine performance area of automotive service and repair.

AHTA10.10 - Perform skills and determine necessary actions needed in the engine repair area of automotive service and repair.

AHTA10.11 - Perform skills and determine necessary actions needed in the heating and air conditioning area of automotive service and repair.

AHTA12.04 - Perform specialized skills and determine necessary actions needed in the automatic transmission area of automotive service and repair.

AHTA12.05 - Perform specialized skills and determine necessary actions needed in the manual drive train and axles area of automotive service and repair.

AHTA12.10 - Perform specialized skills and determine necessary actions needed in the engine repair area of automotive service and repair.

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AHTA10.03 - Perform Lube, Oil, and Filter (LOF) and preventive maintenance needed for entry-level employment of the automobile service and repair field.	X					X	X															X	X	X
AHTA10.04 - Perform skills and determine necessary actions needed in the automatic transmission area of automotive service and repair.				X	X					X	X											X	X	X
AHTA10.05 - Perform skills and determine necessary actions needed in the manual drive train and axles area of automotive service and repair.				X					X	X												X	X	X
AHTA10.06 - Perform skills and determine necessary actions needed in the suspension and steering area of automotive service and repair.	X					X							X	X								X	X	X
AHTA10.07 - Perform skills and determine necessary actions needed in the brakes area of automotive service and repair.	X					X						X	X									X	X	X
AHTA10.08 - Perform skills and determine necessary actions needed in the electrical/electronic systems area of automotive service and repair.				X		X									X	X	X					X	X	X
AHTA10.09 - Perform skills and determine necessary actions needed in the engine performance area of automotive service and repair.				X		X													X	X	X	X	X	X
AHTA10.10 - Perform skills and determine necessary actions needed in the engine repair area of automotive service and repair.				X		X		X														X	X	X
AHTA10.11 - Perform skills and determine necessary actions needed in the heating and air conditioning area of automotive service and repair.						X												X				X	X	X
AHTA12.04 - Perform specialized skills and determine necessary actions needed in the automatic transmission area of automotive service and repair.										X	X											X	X	X
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	X												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		X														X	X	X