

Automotive Technology 47.0600 1 & 2
Scope & Sequence: Year 1- Beginning Automotive

Semester 1		Semester 2	
Quarter 1	Quarter 2	Quarter 3	Quarter 4
<p>Technical Standards: 9.0 – 9.21 Professional Standards: 1D, 4F, 5A, 8D</p> <p><u>Unit 1</u></p> <p>Tools & Equip.</p> <ul style="list-style-type: none"> • Standard & Metric • Hand Tools • Cleaning & Storage • Measuring Tools <p>Technical Standards: 9.01 – 9.17 Professional Standards: 8.0</p> <p><u>Unit 2</u></p> <p>Shop & Personal Safety</p> <ul style="list-style-type: none"> • Shop Safety • Tool & Equipment Safety • Fire Safety • PPE • Vehicle Systems Safety Procedures <p>*SP/2 Completion or Instructor Certification</p>	<p>Technical Standards: 6.12 – 6.16 Professional Standards: 3A, 4F, 5A, 8D</p> <p><u>Unit 3</u></p> <p>Battery Service</p> <ul style="list-style-type: none"> • Battery Testing • Battery Service <p>Technical Standards: 1.0, 8.0 Professional Standards: 1D, 3A, 4B, 5A</p> <p><u>Unit 4</u></p> <p>Vehicle Inspection</p> <ul style="list-style-type: none"> • Air Intake • Exhaust • Cooling System • Wipers <p>Technical Standards: 7.01, 1.03 Professional Standards: 1A, 4B, 5A, 8D</p> <p><u>Unit 5</u></p> <p>Engine Service</p> <ul style="list-style-type: none"> • Service Info. • Vehicle Leaks 	<p>Technical Standards: 7.01, 1.03 Professional Standards: 3A, 4F, 5A</p> <p><u>Unit 6</u></p> <p>Small Engine Service</p> <ul style="list-style-type: none"> • Engine Basic Components • 2/4-Strokes • Testing • Disassemble/Reassemble <p>Technical Standards: 7.01 Professional Standards: 1D, 3A, 4F, 5A</p> <p><u>Unit 7</u></p> <p>Lubrication Service</p> <ul style="list-style-type: none"> • Lube Information • Oil Change • Reminder Reset <p>Technical Standards: 3.03 – 3.04 Professional Standards: 5A</p> <p><u>Unit 8</u></p> <p>Manual Transmission</p> <ul style="list-style-type: none"> • Clutch Fluid • Tranny Leaks <p>Technical Standards: 2.01 Professional Standards: 5A</p> <p><u>Unit 9</u></p> <p>Automatics</p> <ul style="list-style-type: none"> • Service Info. • AFT Level/Condition 	<p>Technical Standards: 2.01 Professional Standards: 3A, 5A, 8D</p> <p><u>Unit 10</u></p> <p>Brakes</p> <ul style="list-style-type: none"> • Brake Fluid • Brake Pad Wear <p>Technical Standards: 6.10 & 6.11 Professional Standards: 3A, 4F, 5A</p> <p><u>Unit 11</u></p> <p>Electrical</p> <ul style="list-style-type: none"> • Soldering • Connectors & Terminals <p>Technical Standards: 4.28 – 4.33 Professional Standards: 1D, 3A, 5A</p> <p><u>Unit 12</u></p> <p>Steering System</p> <ul style="list-style-type: none"> • Power Steering Fluid • Power Steering Belt • Tire Basics