



Glencoe  
**Automotive**  
*Excellence*

**Volume 2**  
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CORRELATION TO ALABAMA  
 COURSE OF STUDY

STANDARDS		PAGE REFERENCES
<b>Automotive Engine Performance II</b>		
<b>Safety</b>		
<b>Students will:</b>		
1.	Demonstrate the handling, storage, and disposal of chemicals and materials used in automotive engines in accordance with local, state, and federal safety and environmental regulations.	<b>Student Edition:</b> HB 94-97; ER 122-124, 135, 140-141, 145-150; HA 276, 337-338 <i>Excellence in Communication</i> ER 232 <i>Safety First</i> ER 123, 138, 148; HA 276; AT 537
<b>General Engine Diagnostics</b>		
2.	Evaluate automotive engine systems diagnoses to determine necessary action. <ul style="list-style-type: none"> <li>Verifying customer concerns regarding engine system problems</li> </ul>	<b>Student Edition:</b> ER 128, 129-141, 142-151, 154, 155-165, 166-169 <i>Excellence in Communication</i> ER 170 <i>Excellence in Math</i> ER 149, 158 <i>Tech Tip</i> ER 140, 156, 157, 161, 167
3.	Utilize testing and evaluation procedures to determine engine system problems.	<b>Student Edition:</b> ER 136-141, 148-151, 156-165, 166-169, 199-205, 207-215 <i>Excellence in Communication</i> ER 170 <i>Excellence in Math</i> ER 149, 158 <i>Excellence in Science</i> ER 238 <i>Tech Tip</i> ER 140, 156, 157, 161, 167, 205

STANDARDS		PAGE REFERENCES
4.	Justify corrective action associated with general engine system concerns.	<b>Student Edition:</b> ER 128, 137-141, 148-151, 154, 156-165, 166-169, 190, 218, 219-226, 227-231, 234, 235-241, 242-244, 245-247 <i>Excellence in Communication</i> ER 152, 170, 216 <i>Excellence in Math</i> ER 149, 158 <i>Tech Tip</i> ER 140, 156, 157, 161, 163, 167, 205
<b>Computerized Engine Control Diagnosis and Repair</b>		
5.	Utilize trouble codes in On-Board Diagnostics I (OBD I) and On-Board Diagnostics II (OBD II) systems to determine necessary action.	<b>Student Edition:</b> AT 516-518  The On-Board Diagnostic systems are covered in detail in <i>Automotive Excellence Volume 1</i> © 2007.
6.	Solve repair issues associated with computerized engine controls diagnostics.	<b>Student Edition:</b> AT 507-515, 519-521
<b>Ignition System Diagnosis and Repair</b>		
7.	Apply necessary ignition system repairs in accordance with engine system diagnosis.	<b>Student Edition:</b> ER 123  The ignition system is covered in detail in <i>Automotive Excellence Volume 1</i> © 2007.
<b>Fuel, Air Induction, and Exhaust System Diagnosis and Repair</b>		
8.	Solve repair issues associated with fuel, air induction, and exhaust system diagnosis.	<b>Student Edition:</b> ER 122-125  The fuel, air induction, and exhaust systems are covered in detail in <i>Automotive Excellence Volume 1</i> © 2007.
<b>Emission Control System Diagnosis and Repair</b>		
9.	Practice corrective action for repair of emission control systems.	Emission control systems are covered in detail in <i>Automotive Excellence Volume 1</i> © 2007.
<b>Engine-Related Services</b>		
10.	Practice automotive engine-related services.	<b>Student Edition:</b> ER 136-141, 148-151, 155-165, 166-169, 173-176, 177-184, 199-205, 207-215, 219-226, 227-231, 235-241, 242-247, 251-257, 258-263, 264-267 <i>Excellence in Communication</i> ER 268 <i>Excellence in Math</i> ER 230 <i>Tech Tip</i> ER 163, 205, 239